UNIVERSITATEA TEHNICĂ “GHEORGHE ASACHI” DIN IAŞI
FACULTATEA: INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ
Domeniul de licenţă: INGINERIE ELECTRICĂ
Programul de studii: **SISTEME ELECTRICE**

Opis la rezultatele activităţii de cercetare desfăşurate de personalul didactic şi de cercetare

Nr.crt.	Funcţia	Nume	Prenume	Pagina
1	Prof.	Arădoaei	Sebastian	3
2	Prof.	Burlică	Radu	12
3	Prof.	Ciobanu	Romeo	17
4	Prof.	Donciu	Codrin	37
5	Prof.	Haba	Cristian	45
6	Prof.	Lucache	Dumitru	57
7	Prof.	Nemeș	Ciprian	72
8	Prof.	Olariu	Marius	87
9	Prof.	Poboroniuc	Marian	93
10	Conf.	Albu	Mihai	99
11	Conf.	Arădoaei	Mihaela	107
12	Conf.	Asiminicesei	Oana	114
13	Conf.	Astanei	Dragoș	120
14	Conf.	Băcăiță	Elena-Simona	129
15	Conf.	Brînzilă	Marius	132
16	Conf.	Burlică	Monica	138
17	Conf.	Butnicu	Dan	141
18	Conf.	Cârlescu	Vlad	142
19	Conf.	Damian	Cătălin	149
20	Conf.	Irimia	Dănuț	153
21	Conf.	Livadaru	Leonard	160
22	Conf.	Luncă	Eduard	167
23	Conf.	Munteanu	Adrian	177
24	Conf.	Păuleț	Marius	186
25	Conf.	Stamate	Ciprian	190
26	Conf.	Tărniceriu	Oana	196
27	Conf.	Virlan	Bogdan	199
28	Șef.lucr.	Antonescu	Ion	203
29	Șef.lucr.	Apreotesei	Gabriela	220
30	Șef.lucr.	Baciu	Alina	221
31	Șef.lucr.	Baciu	Ioana	223
32	Șef.lucr.	Butnariu	Anca	225
33	Șef.lucr.	Chiriac	Bogdan	228

34	Șef.lucr.	Chiriac	Gabriel	230
35	Șef.lucr.	Dudeanu	Mihaela	236
36	Șef.lucr.	Hariton	Ana-Maria	237
37	Șef.lucr.	Ignătescu-Manea	Irina	239
38	Șef.lucr.	Nacu	Ionuț	240
39	Șef.lucr.	Nechifor	Delia	243
40	Șef.lucr.	Petrișor	Daniel	247
41	Șef.lucr.	Plopa	Olga	251
42	Șef.lucr.	Scarlatache	Vlad	256
43	Șef.lucr.	Serea	Elena	258
44	Șef.lucr.	Sticea	Daniel	262
45	Șef.lucr.	Sfartz	Eugen	264
46	Șef.lucr.	Stirbu	Ioan	265
47	Șef.lucr.	Temneanu	Mitică	267
48	Șef.lucr.	Ursache	Silviu	271
49	Asist.	Gabor	Georgel	274
50	Asist.	Vornicu	Silviu	276
51	Drd.ing	Adam	Carlo-Felix	278
52	Drd.ing.	Anton	Mihăiță	278
53	Drd.ing.	Balan	George	279
54	Drd.ing.	Balan	Iulian	280
55	Drd.ing.	Balan	Lucian	281
56	Drd.ing.	Brezuleanu	Mădălina	281
57	Dr.ing	Ceucă	Răzvan	284
58	Conf. asociat	Cociu	Radu	285
59	Drd.ing	Doboș	Marian	291
60	Drd.ing	Filip	Tudor	291
61	Drd.ing.	Ghinda	Iulian	293
62	Drd.ing.	Mitocaru	Alexandru	294
63	Dr.ing	Pingescu	Bogdan	295
64	Prof. asociat	Prisacaru	Gheorghe	297
65	Dr.ing	Sălceanu	Andrei	306
66	Dr.ing.	Salcianu	Monica	308
67	Prof. asociat	Schreiner	Cristina	309

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ŞI INFORMATICĂ APLICATĂ
Domeniul de licență: INGINERIE ENERGETICĂ
Programul de studii: **Sisteme Electrice**

Rezultatele activităţii de cercetare ştiinţifică desfăşurată de personalul didactic şi de cercetare propriu

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Aradoaei S. Sebastian Teodor **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Aradoaei Sebastian Teodor, Aradoaei Mihaela, *Realizarea biocompozitelor din materiale plastice şi biomasă*, Editura PIM Iași, 2023, ISBN 978-606-13-7817-3, 199 pagini, 8*(199/100)/2 **2. Aradoaei Sebastian Teodor,** Aradoaei Mihaela, *Tehnologii inovative de reciclare și biocompozitare a materialelor din plastic și biomasă*, Editura PIM Iași, 2023, ISBN 978-606-13-7816-6, 323 pagini, 8*(323/100)/2 **3.** Sebastian-Teodor Aradoaei, Oana Asiminicesei, Ghid pentru elaborarea capitolului lucrării de diploma cu privire la evaluarea potentialului de valorificare a produsului/tehnologiei sau serviciului proiectat/analizat intr-o afacere, Capitolul 14 din volumul 3, Afaceri Digitale, Editura Performantica, Iasi, 2022 ISBN 978-606-685-932-5–. 50 pagini 8*(50/100)/2 **4.** Mihaela Aradoaei, Ciobanu Cristian Romeo, Sebastian Teodor Aradoaei, Caracterizarea biocompozitelor reciclate cu destinația electrotehnică, Editura PIM, Iași, 2019, ISBN978-606-13-5040-7, 192 pagini – 8*(192/100)/3
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Vasile Bahrin, Sebastian Aradoaei, Considerations regarding improving performance of the servo motors, Buletinul Institutului Politechnic din Iasi Volumul 65 (69), Numărul 1, Sectia Electrotehnica, Energetica, Electronica, 2019 Editura Politehnium, ISSN 1223-8139, pp. 69-79. 3/2 –pct. 1,50 http://www.bulipi- eee.tuiasi.ro/archive/2019/fasc.1/p5_f1_2019.pdf, (Revista) 2. V. Bahrin, S. Arădoaei Optimizing the operation of dc motors in electric drive systems, , Bulletin of the Transilvania University of Brasov vol. 10 (59) Special issue no. 1 - 2018 Series I - International Conference CIBv2018 Civil Engineering and Building Services ISSN 2065-2127 (CD-ROM), pp.301-308 3/2 –pct. 1,50 https://webbut.unitbv.ro/index.php/Series_I/article/view/2390, (Revista) 3. Aradoaei S. Plopa O. Symmetrical components evaluation in real time, Buletinul Institutului Politechnic din Iasi Vol. 63 (67), nr. 2, Sectia Electrotehnica, Energetica, Electronica, 2017 Editura Politehnium, ISSN 1223-8139, pp. 27-37. 3/2 –pct. 1,50, http://www.bulipi-eee.tuiasi.ro/archive/2017/fasc.2/p3_f2_2017.pdf, (Revista, Prim autor) 4. S. Arădoaei, R. Darie, M. Moşneagu, Dielectric investigations on composite materials obtained from waste plastics Buletinul institutului politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iași, Tomul LVII (LXI), Fasc.

	6, 2011, Secţia Electrotehnică. Energetică. Electronică. 3/3 –pct. 1,00, http://www.bulipi-eee.tuiasi.ro/archive/2011/Papers2011.html, (Revista, Prim autor) 5. V. Bahrin, S. Arădoaei Direct identification in closed loop of the dynamic process parameters, Bulletin of the Transilvania University of Brasov, vol. 9 (58) Special Issue no.1 - 2016 Series I- Proceeding of the International Scientific Conference „CIBV 2016", Oct, 28-29, 2016 ISSN 2065-2127 (CD-ROM), pp.247-252 3/2 –pct. 1,50, https://webbut.unitbv.ro/index.php/Series_I/article/view/3618, (Revista) 6. Bahrin, V., Aradoaei, S Consideration regarding identification of dynamic process parameters: Bulletin of the Transilvania University of Brasov, vol. 8 (57) Special issue no.1 - 2015 Series I- Proceeding of the International Scientific Conference „CiBv 2015", October, 30-31, 2015 ISSN 2065-2127 (cd-rom), pp. 305-308, 3/2 –pct. 1,50, http://webbut2.unitbv.ro/BU2015/Series%20I/BUT_CIBv/BAHRIN.pdf, (Revista) 7. Aradoaei, M. Mosneagu, R. Darie, G.Constantinescu Development of new materials for construction sector obtained from renewable resources, enviBuild 2012 and Building Performance Simulation Conference 2012, Advanced Materials Research; Brno, pp.231-235, 2012.3/4 –pct. 0,75, https://doi.org/10.4028/www.scientific.net/AMR.649.231, (Revista, Prim autor) 8. M.Pislaru, A.Trandabat, R.Burlacu, C.Bratescu, S.Aradoaei, M.Branzila Internet based methods in support of remote and collaborative design, , Buletinul Institutului Politehnic Iasi, Tomul LIV(LVIII), Fasc. 4, pp. 635-642, 2008, ISSN 1223-8139, 3/5 – pct. 0,60, http://www.bulipi-eee.tuiasi.ro/archive/2008/Papers2008.html, (Revista) 9. M.Olariu, S.Aradoaei, S.Cetiner, R.Ciobanu, S.Sarac, Behavior of dielectric properties of nano-conductive polymer films, Buletinul Institutului Politehnic Iasi, Tomul LVII(LXI), Fasc. 4, pp. 37-46, 2011, ISSN 1453-1690, 1/5 –pct. 0,20 (Revista) 10. S. Ursache, M. Olariu, I.Nica, S. Aradoaei, Propagarea undelor electromagnetice in medii chirale, 7th International Power Systems Conference, Timisoara, Romania, 2007, Buletinul Stiintific al Universitatii "Politehnica" din Timisoara , tom 52 (66), 2007, pp .683-688, ISSN 1582-7194. 1/4 – pct. 0,25 (Revista) 11. S.Aradoaei, G.Constantinescu, M.Olariu, S Ursache, PMMA Dielectric Parameters analysis via Broadband Dielectric Spectroscopy Method, 4th International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LII (LVI), Fasc. 5, pp. 597-602, 2006, ISSN:1223-8139. 1/4 – pct. 0,25, (Revista, Prim autor) 12. G.Constantinescu, S.Aradoaei, S.Ursache, R.Ciobanu, A New Class of Electrical Materials from Renewable Resources, 4th International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LII (LVI), Fasc. 5, pp. 603-608, 2006, ISSN:1223-8139. 1/4 – pct. 0,25 (Revista) 13. S.Ursache, M.Olariu, S.Aradoaei, C.Schreiner, Detection of Space Charge in Teflon (PTFE) Films via FLIMM Measurement, 4th International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LII (LVI), Fasc. 5, pp. 617-621, 2006, ISSN:1223-8139. 1/4 – pct. 0,25 (Revista) 14. S.Ursache, S.Aradoaei, R.Ciobanu, Numerical Techniques for Electromagnetic Problems in Screening Applications, 4th International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LII (LVI), Fasc. 5, pp. 689-694, 2006, ISSN:1223-8139. 1/3 – pct. 0,33 (Revista) 15. S.Aradoaei, I.Prisecaru, R.Ciobanu, Technological Influence of Mass Additives upon Bio-Materials Obtained by Recycled PET and Wood Derivates - Analysis via Dielectric Spectroscopy, Proceedings of 3rd International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul. L (LIV), Fasc. 5, pp. 469-474, 2004, ISSN 1223-8139. 1/3 – pct. 0,33, (Revista, Prim autor)

16. S.Aradoaei, S.Hanganu, R.Ciobanu, Introduction to Finite Element Analysis for Dielectric Material Modeling, Proceedings of 3rd International Conference on Electrical and Power Engineering, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul L (LIV), Fasc. 5, pp. 463-466, 2004, ISSN 1223-8139. 1/3 – pct. 0,33, (Revista, Prim autor)

Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)

1. Trandabat Alexandru Florentin, Ciobanu Romeo Cristian, Schreiner Oliver Daniel, Aradoaei Mihaela, Aradoaei Sebastian Teodor, Manufacturing of TiO2, Al2O3 and Y2O3 Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors, Crystals Journal 2024, Volum 14, Issue 5, DOI:10.3390/cryst14050454, IF 2.4 (2023), WOS:001233493200001, (Revista),
2. Ciobanu Romeo C., Schreiner Cristina, Caramitu Alina R., Aradoaei Sebastian, Aradoaei Mihaela, Sustainability of the Technology for Obtaining Thermoplastic Building Materials from Non-Recyclable Mixed Plastic–Paper Packaging Waste, Sustainability Journal 2024, Volum 16, Issue 8, DOI: 10.3390/su16083430, WOS:001210274700001.(Revista)
3. Aradoaei Sebastian, Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Mihaela, Ciobanu Romeo Cristian, A Sustainability Study upon Manufacturing Thermoplastic Building Materials by Integrating Chicken Feather Fibers with PlasticWaste, Sustainability Journal 2024, Volum 16, Issue 21, DOI: 10.3390/su16219243. (Revista, Prim autor),
4. Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Sebastian, Aradoaei Mihaela, Bratu Mihai, Vasile Ovidiu, Acoustic Properties of a New Composite Material Obtained from Feather Flour and Recycled Polypropylene, Revista de Materiale Plastice, 2022, vol.:58, pp.84-93, impact factor: 0.782/2021, DOI10.37358/MP.21.4.5534,(Revista),
5. La Rosa Angela, Gramatikos Sotirios, George Ursan, Aradoaei Sebastian, Summerscales Johnd, Ciobanu Romeo, Cristina Schreiner, Recovery of electronic wastes as fillers for electromagnetic shielding in building components: An LCA study, Journal Of Cleaner Production, 280/2, 2021, impact factor: 11,072/2021, DOI10.1016/j.jclepro.2020.124593,(Revista),
6. Sebastian Aradoaei, Vasile Bahrin, Mihaela Aradoaei, Constantin Mirela, Constantin Lucian, Ionescu Ioana, Analysis of the Physical and Chemical Properties of Biocomposite Materials Obtained from Feather Flour and Polypropylene, Revista de Materiale Plastice, 2020, vol.:57, pp.325-332, WOS:000617344900031 , impact factor: 0.782/2021, (Revista, prim autor)
7. Aradoaei Sebastian Teodor, Ciobanu Romeo Cristian, Darie Raluca Nicoleta, Mosneagu Mihaela, Innovative biocomposite derived from waste materials with applications in electrical domain, Interdisciplinary research in engineering: steps towards breakthrough innovation for sustainable development, Book Series: Advanced Engineering Forum, Volume: 8-9 pp. 379-386, 2013, DOI10.4028/www.scientific.net/AEF.8-9.379 (Revista, Prim autor)
8. S. Aradoaei, R. Ciobanu, R. Darie, T. Zaharescu, A. Caramitu, Green Materials Derived from Renewable Resource for Electrical Applications, Materiale Plastice, Volume: 50, Issue: 4, 2013, pp.310-313, 6/5 –pct. 1,2 impact factor: 1,393/2019, WOS:000329562600017 (Revista, prim autor)
9. S.Cetiner, M.Olariu, N.U.Kaya, S.Aradoaei Thermally stimulated discharge currents of poly(acrylonitrile-co-acrylic acid)-polypyrrole composites, Materials and applications for sensors and transducers II, Book Series: Key Engineering Materials, Volume: 543, pp. 154-158, 2013. 6/4 –pct. 1,5 DOI10.4028/www.scientific.net/KEM.543.154 (Revista)
10. S.Aradoaei, R.Darie, C.Vasile, M. Mosneagu, M. Olariu, Morphology and dielectric properties of some LDPE/PA blends in presence of compatibilizers, Solid State Phenomena, Vol. 188, Advance Material Structure, pp. 268-274, 2012, 6/5 – pct. 1,2 DOI10.4028/www.scientific.net/SSP.188.268 (Revista, Prim autor),
11. S. Aradoaei, R. Darie, G. Constantinescu, M. Olariu, R. Ciobanu Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, Journal of Non-Crystalline Solids, Vol. 356, Issues 11-17, pp.768-771, 2010,

	6/5 – pct. 1,20 impact factor 1,48/2010, DOI10.1016/j.jnoncrysol.2009.11.046, (Revista, prim autor)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Scarlatache Vlad-Andrei, Aradoaei Sebastian, Olariu Marius Andrei, Scarlatache Florina, Filip Tudor Alexandru, Simionescu Ramona, Electric Vehicle Architecture Modeling Based on MATLAB and SysML for Discrete and Continuous Simulation, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023 – Proceedings 2023, 4/6 – pct. 0.66 doi.10.1109/SIELMEN59038.2023.10290735 2. Aradoaei Mihaela, Schreiner Oliver, Alexa Ionel, Olteanu Alin, Pintilei Madalina Ancuta, Ciobanu Romeo Cristian, Aradoaei Sebastian, Simulating the Interaction of Electromagnetic Radiation with Matter, Within Nano/Micro-Conductive Composite, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023, 4/7 – pct. 0,57 – Proceedings 2023, doi.10.1109/SIELMEN59038.2023.10290731 3. Aradoaei Mihaela, Schreiner Oliver, Lucaci Andreea Maria, Morosanu Vlad, Patrascu Georgiana, Saridache Adrian, Schreiner Cristina, Aradoaei Sebastian, Testing the Interaction of Electromagnetic Radiation with Nano/Micro-Conductive Composite Material, 2023 International Conference on Electromechanical and Energy Systems, SIELMEN 2023 – Proceedings 2023, 4/8 – pct. 0,50 doi.10.1109/SIELMEN59038.2023.10290788 4. Bahrin Vasile, Aradoaei Sebastian, Anton Mihaita-Emanuel, Direct Current Motor Speed Adjustment Via Indirect Self-Adjusting Regulator, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, 4/3 – pct. 1,33, doi 10.1109/EPE56121.2022.9959768 5. Aradoaei Mihaela, Lucaci Andreea Maria, Aradoaei Sebastian Teodor, Schreiner Cristina Mihaela, Ciobanu Romeo Cristian, Obtaining Nanocomposite Films With Predefined Thermal Conductivity, With Controlled Anisotropy, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, 4/5 – pct. 0.80, doi 10.1109/EPE56121.2022.9959825 6. Vlad-Andrei Scarlatache, Sebastian, Aradoaei, Andrei Olariu Marius, Alexandru Filip Tudor, Florina Scarlatache, Gianina Gheorghian, Continuous Improvement in Education Based on Deming Model in Worldwide Context, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, 4/6 – pct. 0.66, doi 10.1109/EPE56121.2022.9959078 7. Aradoaei Mihaela, Lucaci Andreea Maria, Aradoaei Sebastian Teodor, Schreiner Cristina Mihaela, Nastasache Maria Madalina, Composites with Nano Conductive Channels Architecture Uniformly Distributed Through the Thickness of the Material and Oriented in the Magnetic Field, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, 4/5 – pct. 0.80, doi 10.1109/EPE56121.2022.9959798 8. Andrei, Mona, Pascu, Sebastian Mihail, Aradoaei, Mihaela, Aradoaei, Sebastian Teodor, Modeling and simulation of electromagnetic absorption properties of nano- structured composites in the radio frequency/micowave range, SIELMEN 2021 - Proceedings of the 11th International Conference on Electromechanical and Energy Systems, 4/4 – pct. 1, doi 10.1109/SIELMEN53755.2021.9600270 9. Andrei Mona, Lucaci Andreea-Maria, Aradoaei Mihaela, Teodor Aradoaei Sebastian, Design of the nano / micro scale structure of nanostructured composites activable in the radio frequency/microwave range depending on the frequency of the electromagnetic field, SIELMEN 2021 - Proceedings of the 11th International Conference on Electromechanical and Energy Systems, 4/4 – pct. 1 doi 0.1109/SIELMEN53755.2021.9600282 10. Aradoaei Sebastian, Bahrin Vasile, Aradoaei Mihaela, Constantin Mirela Alina, Constantin Lucian Alexandru, Dielectric Spectroscopy Analysis of Composites Obtained from Thermoplastic with Feathers Flour, EPE 2020 - Proceedings of

	the 2020 11th International Conference and Exposition on Electrical And Power Engineering, 4/5 – pct. 0.80 doi 10.1109/EPE50722.2020.9305582 11. Adascalitei, Adrian A, El-Din, Ashraf Salah El-Din Zein, Aradoaei, Sebastian Teodor, Temneanu, Marinel Costel, Istrate, Marcel Dumitru, The Blended Teaching and Learning Methods and the Implementation of Online Laboratories in Electrical and Computer Engineering Education Programs, Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL), Educating Engineers For Future Industrial Revolutions, ICL2020, VOL 2, 2022, volume 1329, pp.136-147, 4/5 – pct. 0.80, DOI10.1007/978-3-030-68201-9_14 12. Adascalitei, Adrian, Aradoaiei, Sebastian, Blended Teaching and Learning Solutions for Electrical Engineering Study Programs, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Romania Electronic ISBN: 978-1-7281-4011-7/19/2019, 4/2 – pct. 2, WOS:000630287500076 13. Plopa Olga, Aradoaei Sebastian-Teodor, Ursan George-Andrei, A New PSpice Implementation of a Three-Phase Induction Machine Model, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Romania Electronic ISBN: 978-1-7281-4011-7/19/2019, 4/3 – pct. 1,33, DOI10.1109/sielmen.2019.8905799 14. Adascalitei, Adrian, Aradoaiei, Sebastian, Temneanu, Marinel, El-Din Zein El- Din, Ashraf Salah Implement Online Laboratories in Electrical and Computer Engineering Education using Virtual Learning Environments, The 15 th International Scientific Conference eLearning and Software for Education Bucharest, eLSE, April 11-12, 2019 10.12753/2066-026X-19-159, vol III, pp 162-170, 4/4 – pct. 1, DOI10.12753/2066-026X-19-159 15. Ashraf Salah El-Din Zein El-Din, Adrian Adăscăliței, Marinel Temneanu, Sebastian Arădoaiei Blended Learning Methodologies and ePedagogical Approaches Used in an Electrical and Computer Engineering Education Program Leading to International Accreditation, Proceedings of the 13th International Conference On Virtual Learning, ICVL 2018, Oct. 26-28 Alba Iulia, pp.63-77, 4/4 – pct. 1, WOS:000471080200007 16. Sebastian Arădoaiei, Adrian Adăscăliței, Blended Learning Approach Applied to Electrical Engineering Courses, Proceedings of the 13th International Conference On Virtual Learning, ICVL 2018, Oct. 26-28 Alba Iulia, pp.78-86.(Prim autor), 4/2 – pct. 2, WOS:000471080200008 , 17. Bahrin V., Arădoaei S., Considerations on magnetic levitation realized with superconductive materials, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, 2017-September, pp. 508-511. 4/2 – pct. 2, https://www.imeko.org/index.php/proceedings/6915- considerations-on-magnetic-levitation-realized-with-superconductive-materials indexat Scopus 18. Arădoaei S., Andrei M., Ciobanu R., Moşneagu M., Bahrin V., Modeling the properties of bio-composites obtained from plastic and wood waste for building applications, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, 2017-September, pp. 504-507. 4/5 – pct. 0,80, https://www.imeko.org/publications/tc4-2017/IMEKO-TC4-2017-099.pdf indexat Scopus 19. A.C.Curelaru, A.C. Macovei, S. Aradoaei, A.V. Coman, Realization of polymeric coatings in special electrochemical conditions based on electroactive polymer networks for supercapacitor purposes Electrical and Power Engineering (EPE), 2014 International Conference and Exposition Iasi, pp. 877-880, 2014, 4/4 – pct. 1, WOS:000353565300163 20. S.Aradoaei, R.Darie, M.Mosneagu, S.Ursache, Technological analysis of materials derived from recycled PET and

	LDPE via dielectric spectroscopy method, Proceedings of 7th International Conference Management of Technological Changes, MTC 2011, 1-3 September, Alexandroupolis, Greece, vol.1, pp. 449-452, 2011, ISBN 978-960-99486-2-3. 4/4- pct. 1,00, WOS:000306939900113 21. M. Olariu, R. Ciobanu, S. Ursache, S.Aradoaei, Experimental regarding the evolution of space charge in polyolefins insulation, Annual Conference on Electrical Insulation and Dielectric Phenomena, CEIDP 2007, Vancouver Canada, pp: 433-436, 2007, ISBN 978-1-4244-1482-6. 4/4- pct. 1,00, DOI10.1109/CEIDP.2007.4451585 22. R.Ciobanu, S.Aradoaei, A.Trandabat, G.Constantinescu, Knowledge-based Bio- Compounds from Recycled PE/PET and Wood Derivates: Technological Analysis, Properties, and Perspectives, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, Romania, vol. 1, pp. 117- 122, 2006, ISBN 978-973-635-703-9. 4/4- pct. 1,00, WOS:000256417000023. 23. M.Olariu, S.Aradoaei, S.Ursache, S.Hanganu, Space charge evolution in nano- materials determined via dielectric spectroscopy, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, Romania, vol. 1, pp. 93-98, 2006, ISBN 978-973-635-703-9. 4/4- pct. 1,00, WOS:000256417000019 24. S.Aradoaei, S.Hanganu, C.Donciu, D.Socotar, M.Olariu, Prototype Architecture of Remote Teaching Laboratory, Proceedings of 4th Internationals Conference on the Management of Technological Changes, Chania, Grecia, vol. 1, pp 179-182, 2005, ISBN 960-8475-04-x. 4/5- pct. 0,80, WOS:000249920000031 25. M.Olariu, G.Constantinescu, I.Prisecaru, S.Aradoaei, Advanced Composites from Recycled Polyethylene: Technology Optimization via Thermal Step Method, Proceedings of 4th Internationals Conference on the Management of Technological Changes, Chania, Grecia, vol.1, pp. 287-290, 2005, ISBN 960-8475-04-x., 4/4- pct. 1,00, WOS:000249920000051 26. M.Olariu, S.Aradoaei, I.Prisecaru, R.Ciobanu, Space Charge Study via Thermal Step Method and Applications in New Materials Quality, Proceedings of 4th Internationals Conference on the Management of Technological Changes, Chania, Grecia, vol.1, pp. 290-296, 2005, ISBN 960-8475-04-x. 4/4- pct. 1,00, WOS:000249920000052 27. S.Aradoaei, M.Olariu, R.Ciobanu, G.Constantinescu Sustainable Development in Materials Recycling by Advanced PE/PET – Wood Sawdust Compounds, Proceedings of 4th Internationals Conference on the Management of Technological Changes, Chania, Grecia, vol. 2, pp. 293-296, 2005, ISBN 960-8475-05-8. 4/4- pct. 1,00, WOS:000249920900053 28. S.Aradoaei, R.Ciobanu, A.Trandabat, G.Constantinescu, Technological Analysis via Dielectric Spectroscopy of Materials Containing Recycled PET and Wood Derivates, Proceedings of 8th IEEE International Conference on Solid Dielectrics, Toulouse, France, vol. 1, pp 462-465, 2004, ISBN 0-7803-8348-6. 4/4- pct. 1,00, DOI10.1109/ICSD.2004.1350390 29. R.Ciobanu, I Prisecaru, S.Aradoaei, PEA measurements upon cellulose materials submitted to gamma radiation, Proceedings of 8th IEEE International Conference on Solid Dielectrics, Toulouse, France, vol. 1, pp.225-228, 2004, ISBN 0-7803-8348-6. 4/3- pct. 1,33, WOS:000255386500032 V30. 30. S.Aradoaei, A.Trandabat, R.Ciobanu, G.Constantinescu, Bio-Materials from Recycled PET and Lignin Derivates: Technological Analysis via Dielectric Spectroscopy, Proceedings of 9th International Conference on Optimization of Electrical and Electronic Equipment, Brasov, Romania, vol. 1, pp. 195-198, 2004, ISBN 973-635-285-4. 4/4- pct. 1,00, WOS:000255386500036 31. I.Prisecaru, S.Aradoaei, R.Ciobanu, Space Charge and Field Evolution of Multilayer Paper Insulation for DC Cables Application, Determined by Use of PEA- Method, Proceedings of 9th International Conference on Optimization Of Electrical And Electronic, Brasov, Romania, vol. 1, pp.177-200,2004, ISBN 973-635-285-4. 4/3- pct. 1,33,

	DOI10.1109/ICSD.2004.1350331 32. M.Olariu, R.Ciobanu, S.Cetiner, S.Aradoaei, S.Sarac, Evolution of Dielectric Properties of Conducting Polymers, Proceedings of IN-TECH 2011, Bratislava, Slovacia, pp. 426-428, 2011, ISBN 978-80-904502-6-4. 1/5- pct. 0,20 33. M. Mosneagu, S.Aradoaei, S.Ursache, A.Pruteanu, Analysis of Composite materials obtained by recycling PE/Wood sawdust, Proceedings of 6th International Conference on Electrical & Power Engineering, EPE 2010, Iasi, Romania, vol1, pp.379- 382, 2010, ISBN 978-606-13-00-79-2. 1/4- pct. 0,25 34. M.Mosneagu, R.Darie, S.Aradoaei, I.Spiridon, Assessment of mechanical and dielectric characteristics of polyethylene/poplar seed hair systems, Proceedings of 6th International Conference on Electrical & Power Engineering, EPE 2010, Iasi, Romania, vol1, pp.383-386, 2010, ISBN 978-606-13-00-79-2. 1/4- pct. 0,25 35. A.Trandabat, M.Pislaru, S.Socotar, S.Aradoaei, Idea of an power reduction system for office and buildings, Proceedings of 6th International Conference on Electrical & Power Engineering, EPE 2010, Iasi, Romania, vol1, pp.394-398, 2010, ISBN 978-606- 13-00-79-2. 1/4- pct. 0,25 36. C.Schreiner, S.Aradoaei, S.Ursache A neuro-fuzzy approach for monitoring and diagnose machine fault in complex industrial process, Proceedings of 6th International Conference of electromechanical and power systems, Sielmen 2009, Iasi, Romania, vol.1, pp. 49-52, 2009, ISBN 978-606-520-618-2. 1/3- pct. 0,33 37. R. Ciobanu, S. Hanganu, S. Arădoaei, Evaluation of Cable Paper Performance by Use of Space Charge Measurements Proceedings of 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, IMEKO 2007, Iasi, Romania, pp.366-369, 2007, ISBN 978-973-667-260-6, ISBN 978-973-667-262-0. 4/3- pct. 1,33 38. S. Arădoaei, G. Constantinescu, R. Ciobanu Dielectric Spectroscopy Analysis of Recycled PET with Different Synthetic Polymer Blends, Proceedings of 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, IMEKO 2007, Iasi, Romania, pp.376-380, 2007, ISBN 978-973-667-260-6, ISBN 978-973-667- 262-0. 4/3- pct. 1,33 39. R.Ciobanu, I.Prisecaru, M.Temneanu, S.Aradoaei, Modeling and Optimization of Composites Structure and Technology by use of Space Charge Analysis, Proceedings of 5th International Conference on Electromechanical and Power Systems, Chisinau, Moldova, vol.1, pp. 210-213, 2005, ISBN 973-716-209-9. 1/4- pct. 0,25 40. C.Varga, A.Trandabat, S.Aradoaei, R.Ciobanu, Failure Analysis of Interlayer Dielectrics Cracking due to Fast Temperature Cycling and Electromigration Induced Thin Films, Proceedings of 5th International Conference on Electromechanical and Power Systems, Chisnau, Moldova, vol.1, pp. 226-227, 2005, ISBN 973-716-209-9. 1/4- pct. 0,25 41. S.Aradoaei, A.Trandabat, R.Ciobanu, G.Constantinescu Bio-Materials Obtained by Recycled PET and Wood Powder with Different Mass Additives – Technological Analysis via Dielectric Spectroscopy, Proceedings of 4th International Conference on Materials For Electrotechnics, Bucuresti, Romania, vol. 1, pp. 281-284, 2004, ISBN 973- 718-006-2. 1/4- pct. 0,25 42. R.Ciobanu. I.Prisecaru, S.Aradoaei, The Influence of Chemical Composition upon Internal Charge Dynamic of Cellulose Materials for DC Cables Application, Evaluated by Use of PEA-Method, Proceedings of 4th International Conference on Materials For Electrotechnics, Bucuresti, Romania, vol.1, pp. 222-227, 2004, ISBN 973-718-006-2. 1/3- pct. 0,33
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

	1. Îmbunatațirea tehnologiilor de printare pentru fabricarea economică a sistemelor de analiză tip point of care, PNIII Era Net 17/2018, valoare 2018/178012lei, 2019/204688lei, 40*(1,78)*2%=1,42 2. Sistem de sortare a deșeurilor de construcții și demolări bazat pe robotică avansată, PN III Era Net 22/2018, Valoare 2018/180674lei, 2019/304463lei, 40*(1,80)*2%=1,42 3. Explorarea proprietăților electrice și magnetice ale unei noi clase exotice de materie cuantică: izolatorii topologici, PN III Cooperare Europeana si Internationala. Subprogram 3.1. Bilateral/multilateral, Bilateral Romania-China, 2016-2017, 2016/7891,04lei, 2017/9510,71 lei - Membru în echipa de cercetare (30%). 40*(0,17)*30%=2,08 4. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE) Proiect international Era Net Cofund contract 83/2016, Valoare 2016/360.000lei 2017/256.468,5lei 40*(3,6)*2%=2,08 5. Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez), Contract 50/2016, Proiect international Era Net, 2017/141.692lei, 2016/99.486lei 40*(1,41)*2%=1,12 6. Senzori integraţi cu caracteristici microfluidici folosind tehnologia LTCC, PN II ERA NET 9/2015, UTI: 281.750 RON (medie UTI: 2015, 96.600/171.178=0,56; 2016, 185150/.) - Membru în echipa de cercetare (5%). 40*(0,56)*5%=1,12 7. Dezvoltare de biosenzori inplantabili dedicaţi evaluării neurotransmiţătorilor, bazaţi pe depuneri de composite polimerice conjugate pe structure carbonice nano-poroase, PN II Capacităţi 567/2012, M3, România Grecia, UTI: 26.578,20 RON (medie UTI: 2012, 10.335,20/140.987=0,07; 2013, 16.243/247.925=0,07) - Membru în echipa de cercetare (5%). 40*(0,14)*5%=0,28 8. Compoziţii polimerice nano-active avansate cu metale rare şi oxizi metalici pentru aplicaţii în microelectronică în domeniul GHz, PN II Capacităţi 436/2013, (proiectelor CDI internaţionale cu participare românească), UTI: 43.107 RON (medie UTI: 2010, 24.485/117.096,6=0,21; 2011, 18.622/102.539,8=0,18) - Membru în echipa de cercetare (5%). 40*(0,39)*5%=0,78 9. Filme ceramice subţiri nanoporoase din cristale zeolitice pe bază de siliciu pentru materiale cu constantă dielectrică redusă, PN II Capacităţi 64 CB /2008, (proiectelor CDI internaţionale cu participare românească), UTI: 204.851,07 RON (medie UTI: 2008- 2009, 204.851,07/113.071,10=1,81) - Membru în echipa de cercetare (5%). 40*(1,81)*5%=3,62 10. Ecrane şi panouri absorbante pentru utilizări speciale bazate pe compozite nanostructurale cu arhitectură predefinită şi proprietăţi dielectrice şi electromagnetice personalizate, PN II Capacitati 63 CB /2008, (proiectelor CDI internaţionale cu participare românească), UTI: 125.646,14 RON (medie UTI: 2008-2009, 125.646,14/113.071,10=1,11) - Membru în echipa de cercetare (5%). 40*(1,11)*5%=1,67 11. Contribuţii privind analiza materialelor electroizolante prin metoda spectroscopiei dielectrice, PNII RU-TD tema 189/2007, UTI: 35.000 RON (medie UTI: 2007, 5.500/41.408,0=0,13; 2008, 21.000/107.860,0=0,19; 2009, 3.750/118.282,2=0,03) - Director de proiect. 30*(0,13+0,19+0,03)=10,50.Director de proiect. 12. Contribuţii privind analiza materialelor electroizolante prin metoda spectroscopiei dielectrice. CEEX tip MD 5940/2006 tema 10. UTI: 7.000 RON (medie UTI: 2006, 7.000/24.949,2=0,28) - Director de proiect. 30*(0,28)= 8,40 13. Evaluarea calitatii si fiabilitatii prin metoda spectroscopiei dielectrice cu aplicatii in optimizarea structurii si tehnologiei biomaterialelor din PET reciclat si derivati ligno- celulozici. grant CNCSIS tip TD 33371/2004 tema 147. UTI: 12.700 RON - (medie UTI: 2004, 3.500/12.966,72=0,27; 2005, 4.200/16.793,87=0,25; 2006, 5.000/24.949,2=0,20) - Director de proiect. 30*(0,27+0,25+0,20)=21,60 14. Reţea wireless de senzori pasivi de hidrogen de tip flex-on –chip pe bază de OLC- uri (onion-like carbon) manipulate

	cu ajutorul dielectroforezei, PN II Parteneriat 43/2014, UTI: 533.506 RON (medie UTI: 2014, 72.516/113.898=0,64; 2015, 258.563/171.178=1,51; 2016, 202.427/171.178=1,18) - Membru în echipa de cercetare (5%). 30*(2,15)*5%=3,23 15. Materiale composite inovative pentru ecranare electromagnetică bazate pe pulberi nanoconductive obţinute prin reciclare WEEE, PN II Capacităţi 655/2013, UTI: 13.777,76 RON (medie UTI: 2013, 7.063/247.925=0,03; 2014, 6.714,76/113.898=0,06) - Membru în echipa de cercetare (5%). 30*(0,09)*5%=0,14 16. Nanocompozite polimerice conductive cu structura predefinită şi proprietăţi dielectrice şi EMC dedicate ecranării şi realizării de panouri absorbante pentru clădiri speciale, PNII ERA NET 7-014/2008, UTI: 1 900 000 RON, (medie UTI: 2009, 1.075.986,52/118.282,2=9,10; 2010, 824.000/117.096,6=7,04) - Membru în echipa de cercetare (5%). 30*(9,10+7,04)*5%=24,21 17. Metodologie dielectrică nedistructivă, neinvazivă, comparativă de detectare rapidă a ingredienţilor cu potenţial factor de risc pentru sănătate din produsele alimentare, PN2 Parteneriate 51-015/2007, UTI: 1 050 000 RON (medie UTI: 2007, 60.247/41.408=1,45; 2008, 99.218/107.860=0,92; 2009, 268.968,01/118.282,2=2,27; 2010, 199.258/102.539,8=1,94) - Membru în echipa de cercetare (5%). 30*(1,45+0,92+2,27+1,94)*5%=9,87 18. Spectroscopia dielectrică de bandă largă ca metodă comparativă nedistructivă şi neinvazivă de determinare a compuşilor cu potenţial de risc din produsele alimentare, PNII Idei, 359/2007, UTI: 1.000.000 RON, (medie UTI: 2007, 70.000/41.408=1,69; 2008, 330.000/107.860=3,06; 2009, 191.100/118.282,2=1,62; 2010, 249.998,91/117.096,6=2,13) - Membru în echipa de cercetare (30%). 30*(1,69+3,06+1,62+2,13)*30%=76,50 19. Remote instrumentation in next-generation grids, CORINT / CNMP 132/2007, UTI: 90 160 RON (medie UTI: 2007, 24.600/41.408=0,59; 2008, 65.560/107.860=0,61) - Membru în echipa de cercetare (5%). 30*(0,59+0,61)*5%=1,80 20. Materiale inteligente tip chiral-fagure pentru aplicaţii multisectoriale, CEEX 115/2006 UTI: 531.424,31 RON, (medie UTI: 2006-2008, 531.424,31/58.072,4=9,15) - Membru în echipa de cercetare (10%). 30*(9,15)*10%=27,45 21. Biocompozite obţinute prin reciclarea deşeurilor de PET şi utilizarea de derivaţi ligno-celulozici, CEEX M1 79/2006, UTI: 720 000 RON (medie UTI: 2006, 120.810/24.949,2=4,84; 2007, 81.210/41.408=1,96 ; 2008, 517.980/107.860=4,80) - Membru în echipa de cercetare (30%). 30*(4,84+1,96+4,80)*30%=104,40 22. Dezvoltarea parteneriatelor C/D prin includerea excelentei romanesti, în vederea promovarii de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecţie la radiaţii electromagnetice în domeniul GHz, CEEX M3 202/2006, UTI: 150.000 RON, (medie UTI: 2006, 62.890,10/24.949,2=2,52; 2007, 73.909,90/41.408=1,78; 2008, 13.200/107.860=0,12) - Membru în echipa de cercetare (5%). 30*(2,52+1,78+0,21)*5%=6,63 23. Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene in domeniul sistemelor virtuale si distribuite de design si management al cercetarii, CEEX 188/2006, UTI 110 000 RON, (medie UTI: 2006, 27.500/24.949,2=1,10; 2007, 47.500/41.408=1,15; 2008, 35.000/107.860=0,32) - Membru în echipa de cercetare (5%). 30*(1,10+1,15+0,32)*5%=3,86 24. Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene in domeniul obţinerii de biocompozite cu aplicaţii multisectoriale, CEEX 179/ 2006, UTI: 130.000 RON, (medie UTI: 2006, 32.500/24.949,2=1,30; 2007, 58.500/ 41.408=1,41; 2008, 39.000/107.860=0,36) - Membru în echipa de cercetare (30%). 30*(1,30+1,41+0,36)*30%=27,63 25. Dezvoltatea capacităţii de integrare a Romaniei în cadrul programelor, platformelor şi reţelelor europene în domeniul metodelor comparative neinvazive şi nedistructive de analiza a calităţii şi siguranţei alimentelor, CEEX 173/ 2006, UTI: 150.000 RON, (medie UTI: 2006, 50.000/24.949,2=2; 2007, 55.000/ 41.408=1,33; 2008, 45.000/107.860=0,42)- Membru în

	echipa de cercetare (5%). 30*(2+1,33+0,42)*5%=5,63 26. Metodă avansată de analiza a calităţii şi de optimizare a structurii şi tehnologiei bio şi nanocompozitelor, pe baza spectroscopiei dielectrice corelată cu teoria elementului finit, Grant A CNCSIS tip E 33371/2004 tema 89, UTI: 65.000 RON, (medie UTI: 2004, 65.000/12.966,7=5,01) - Membru in echipa de cercetare (5%). 30*(5,01)*5%=7,52 27. Metode avansate de proiectare şi testare a sistemelor de izolaţie destinate funcţionării în condiţii extreme de toleranţă la defectare, CNCSIS tip A 33371/2004 tema 15 UTI: 60.500 RON (medie UTI: 2004, 19.500/12.966,7=1,5; 2005, 41.000/16.793,8= 2,44) - Membru în echipa de cercetare (5%). 30*(1,50+2,44)*5%=5,91 28. Biocompozite din surse reciclate – nou concept ecologic pentru viitor cu finanţare câştigată prin competiţie ANCS Programul operaţional creşterea competitivităţii economice, Axa prioritară 2 – Competitivitate prin cercetare, dezvoltare tehnologică şi inovare, Domeniul major de interventie 2.3 – Accesul întreprinderilor la activităţi de cercetare-dezvoltare şi inovare, Operaţiunea, O2.3.1: Sprijin pentru start-up-rile şi spin- off- urile inovative, POSCCE-A2-O2.3.1-2008-1- etapa IX spin-off Innovative green materials s.r.l. (15 luni cercetare industrială si 5 luni de dezvoltare experimentală) valoare totala 837 330 lei, Director de proiect

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţara şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Burlica Radu **Prof. dr. ing.**	
	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	1. C.C. Rusu, D.E. Creţu, R. Burlică, D. Astanei, O. Beniugă, DBD system operating in ambient air for surface treatment of polyethylene terephthalate films, Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, acceptat spre publicare noiembrie 2022. 2. I.D. Dirlau, R. Burlica, D. Astanei, O. Beniuca, Effect of non-thermal plasma on molecular species formed in water based solution, Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, vol. 63(67), nr. 1, pp. 9 – 20, 2017
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. E. G. Acar, D. Doganoz, D. Çavdar, F. Karbancioglu-Guler, R. Burlica, D. Astanei, M.-A.Olariu, G. Gunes, Efficacy of Atmospheric Non-thermal Plasma Corona Discharge Under Dry and Wet Conditions on Decontamination of Food Packaging Film Surfaces, Packaging Technology and Science, vol. 37, issue 12, pp. 1121-1130, 2024, WOS: 001297514900001, factor de impact (2023) 2,8 – Q2. 2. M.A. Olariu, R. Herrero, D.G. Astanei, L. Jofré, J. Morentin, T.A. Filip, R. Burlica, Improving Printability of Polytetrafluoroethylene (PTFE) with the Help of Plasma Pre-Treatment, Polymers, vol. 15, issue 16, Art. number 3348, 2023, WOS: 001056759800001, factor de impact (2023) 4,7 – Q1. 3. S. Padureanu, R. Burlica, V. Stoleru, O. Beniuga, D. Dirlau, D.E. Cretu, D. Astanei, A. Patras, Non-Thermal Plasma-Activated Water: A Cytogenotoxic Potential on Triticum aestivum, Agronomy, vol 13, issue 2, Art. number 459, 2023, WOS: 000938080900001, factor de impact (2023) 3,3 – Q1. 4. A. Mandici, C. Rosu, R. Burlica, D.E. Cretu, D. Astanei, O. Beniuga, D.C. Topa, T.G. Aostacioaei, A. Miron, Effects of non-thermal plasma activated water and low temperature on wheat sprouts: a focus on photosynthetic pigments, protein and

	phenolic contents, antioxidant activity, antioxidant and prooxidant enzymes activity, Farmacia, Vol. 70 Issue 6, p1072-1080, 2022, WOS: 000969664100010, factor de impact (2023) 1,4 – Q4. 5. A. Mandici, D.E. Creţu, R. Burlică, D. Astanei, O. Beniugă, C. Roşu, D.C. Topa, T.G. Aostăcioaiei, A.C. Aprotosoaie, A. Miron, Preliminary Study on the Impact of Non-Thermal Plasma Activated Water on the Quality of Triticum aestivum L. cv. Glosa Sprouts, Horticulturae, Vol. 8, issue 12, Art. number 1158, 2022, WOS: 000902486600001, factor de impact (2023) 3,1 – Q1. 6. R. Burlica, D.E. Creţu, O. Beniugă, D. Astanei, Nonthermal Plasma Multi-Reactor Scale-Up Using Pulse Capacitive Power Supplies, Applied Sciences – Basel, vol. 12, issue 20, Art. number 10403, 2022, WOS: 000872282100001, factor de impact (2023) 2,5 – Q1. 7. I. Stoica, R.M. Albu, C. Hulubei, D. Astanei, R. Burlica, G.A.M. Mersal, T.A.S. Elnasr, A.I. Barzic, A.Y. Elnaggar, A New Texturing Approach of a Polyimide Shielding Cover for Enhanced Light Propagation in Photovoltaic Devices, Nanomaterials, vol. 12, issue 18, Art. number 3249, 2022, WOS: 000857761200001, factor de impact (2023) 4,4 – Q2. 8. D. Astanei, R. Burlică, D.E. Creţu, M. Olariu, I. Stoica, O. Beniugă, Treatment of Polymeric Films Used for Printed Electronic Circuits Using Ambient Air DBD Non-Thermal Plasma, Materials, vol. 15, issue 5, art. number 1919, 2022, WOS:000771429600001, factor de impact (2023) 3,1 – Q1. 9. M. Wartel, F. Faubert, I.D. Dirlau, S. Rudz, N. Pellerin, D. Astanei, R. Burlica, B. Hnatiuc, S. Pellerin, Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation, Journal of Applied Physics, vol. 129, issue 23, Art. number 233301, 2021, WOS:000661619600014, factor de impact (2023) 2,7 – Q2. 10. R. Burlică, D. Astanei, D.E. Cretu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, Non-thermal plasma T-shaped reactor for activated water production, Environmental Engineering and Management Journal, vol. 20, issue 3, pp. 397-404, 2021, WOS:000637746900009, factor de impact (2023) 0,9 – Q4. 11. V. Stoleru, R. Burlică, G. Mihalache, D. Dirlau, S. Padurean, G.C. Teliban, D. Astanei, A. Cojocaru, O. Beniuga, A. Patras, Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate, Scientific Reports (Nature), vol. 10, issue 1, Art. number 20920, 2020, WOS:000608975400032, factor de impact (2023) 3,8 – Q1. 12. R. Burlică, I.D. Dirlau, D. Astanei, Non-thermal plasma mini-reactors for water treatment, Environmental Engineering and Management Journal, vol. 18, nr. 8, pp. 1799-1807 2019, WOS:000482576500020, factor de impact (2023) 0,9 – Q4. 13. V. Popescu, D. Astanei, R. Burlica, A. Popescu, C. Munteanu, F. Ciolacu, M. Ursache, L. Ciobanu, A. Cocean, Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics, Journal of Cleaner Production, vol. 232, pp. 451-461, 2019, WOS:000477784000042, factor de impact (2023) 9,8 – Q1. 14. Marius Ursache, Bogdan Hnatiuc, Eugen Hnatiuc, Dragoş Astanei, Jean-Louis Brisset, Radu Burlica, Direct and delayed degradation of azorubin (E122) by gliding arc discharges, Environmental Engineering and Management Journal, vol. 14, issue 11, pp. 2737 – 2746, 2015, WOS:000369099900026, factor de impact (2023) 0,9 – Q4. 15. B. Hnatiuc, S. Pellerin, E. Hnatiuc, R. Burlica, N. Cerqueira, D. Astanei, Spectroscopic diagnostic of transient plasma produced by a spark plug, Romanian Journal of Physics, vol. 56 S, pp. 109 – 113, 2011, WOS:000295495500017, factor de impact (2023) 1,2 – Q3.
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. B.-A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, C. R. Beniugă, R. Burlică, High conductivity solution

	treatment by non-thermal plasma T-shaped mini electrochemical reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 616-619, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758144 2. O. C. Beniugă, C. R. Beniugă, D. G. Astanei, R. Burlică, Thermostat Behavior Analysis in Smart Home Environment Using Petri Nets, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 390-393, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758167 3. B. Pingescu, D. Astanei, R. Burlică, V.D. Asmarandei, O.B. Beniugă, V. Gheorghe, Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 632-635, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758134 4. C.-C. Rusu, D. Astanei, R. Burlică, D.-E. Creţu, O. Beniugă, "Rotary DBD Plasma Reactor for Inline Treatment of Polymeric Substrates", Proc. of. 2023 10th International Conference on Modern Power Systems (MPS), pp. 1-4, June. 2023, Cluj-Napoca, Romani, DOI: 10.1109/MPS58874.2023.10187433 5. D.-E. Cretu, C.-C. Rusu, D. Astanei, R. Burlica, O. Beniuga, Assessment of HV Power Supply Efficiency in Plasma Activated Water Production, Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959831 6. D.-E. Cretu, S. Pellerin, R. Burlica, M. Wartel, D. Astanei, F. Faubert, Influence of Water Injection Technique in an Argon NTP System Used for PAW Generation, Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959849 7. D.-E. Cretu, C.-C. Rusu, R. Burlica, O. Beniuga, D. Astanei, D. Tesoi, DBD Non-Thermal Plasma Used on Surface Treatment of Polymeric Film for Food Packaging, Proc. of the 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), pp. 454-457, 6- 8 oct. 2021, Iasi, Romania, DOI: 10.1109/SIELMEN53755.2021.9600314. 8. D.E. Creţu, R. Burlică, O. Beniugă, D. Astanei, C.-C. Rusu, D. Tesoi , Surface Treatment of Polyethylene Terephthalate Film Using a DBD Non-Thermal Plasma Reactor, Proc. of the 2021 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 364-367, 2-3 sept. 2021, Braşov, Romania, 10.1109/OPTIM-ACEMP50812.2021.9590058. 9. D.-E. Creţu, Ş. Ciauşu, R. Burlică, D. Astanei, O. Beniugă, D. Teşoi, Electromagnetic Field Radiation Generated by Dielectric Barrier Discharge, Proc. of the 2021 9th International Conference on Modern Power Systems (MPS), pp. 1-6, 16-17 iun. 2021, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492635 10. D.E. Crețu, D. Astanei, R. Burlică, O. Beniugă, D. Teșoi, The Influence of NTP Reactor Geometry on H2O2 Generation in Water, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305678 11. D Teșoi, D-E Crețu, O Beniugă, R Burlică, D. Astanei, M Olariu, DBD Plasma in Air Reactor for Polymeric Surfaces Treatment, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305586 12. M. Adam, M. Andrusca, A. Dragomir; D. Astanei; R. Burlica, Technical Condition Monitoring of Impedance Bonds using Sensors and Dedicated Device, Proc. of the 2018 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305673 13. D. Astanei, D. Crețu, R. Burlică, ID Dirau, O. Beniugă, S. Pellerin, M. Wartel, Voltage Polarity Influence on NTP Energy Efficiency of Point-to-Point Reactor, proceedings of 2019 International Conference on Electromechanical and Energy

	Systems (SIELMEN 2019), art. number 263, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500116 14. D. Astanei, R. Burlică, D. Creţu, ID Dirau, G. Urmă, B. Hnatiuc, Capacitive Power Supply for Double Spark Plug Ignition System, proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 264, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500035 15. O. Beniugă, I.D. Dirlău, D. Astanei, R. Burlică, Electromagnetic field radiation generated by pulsed non-thermal plasma discharge, proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900065 16. D. Creţu, R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, Energy Efficiency Evaluation of HV Power Supplies for Non-Thermal Plasma Generation, proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900058 17. S. Pădureanu, V. Stoleru, A. Patraş, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, Effect of Non-Thermal Activated Water on Lactuca Sativa L. Germination Dynamic, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 889 – 892, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200173 18. O. Beniugă, ID Dirlau, D. Astanei, R. Burlică, Temperature influence in Direct Green 26 dye degradation rate with non-thermal plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 391 – 394, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200074 19. D. Astanei, R. Burlică, ID Dirau, M. Andruşcă, Ayrton Relation Applied for Medium Voltage AC Electrical Discharges, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 583 – 588, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200113 20. R. Burlică, D. Astanei, A. Dragomir, M. Adam, Overvoltage Differential Protection of Low Voltage Circuits, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 599 – 602, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200116 21. D. Astanei, ID Dirau, O. Beniugă, R. Burlică, C. Gouillou, , Evaluation of Reactive Species Produced in Water by GlidArc Plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 603 – 608, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200117 22. ID Dirau, O. Beniugă, R. Burlică, D. Astanei, Influence of Surface Gliding Discharges on Organic Pollutants from Aqueous Solutions, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 897 – 900, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200175 23. V. Stoleru, C. Stratulat, G. Teliban, S. Pădureanu, A. Patraş, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, Morphological, Physiological and Productive Indicators of Lettuce under Non-thermal Plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 937 – 942, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200183 24. R. Burlica, D. Astanei, M. Andrusca, E. Hnatiuc, The dynamic behavior of electromagnetic plunger drivers for electrical apparatusses with contacts, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 139 – 142, Oct 20 – 22, 2016, Iaşi, Romania, WOS:000390706300030. 25. I.D. Dirlau, R. Burlica, D. Astanei, The effect of gas and solution flow rate on nitrates and H 2 O 2 generation in NTP discharges, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 462 – 465, Oct 20 – 22, 2016, Iaşi, Romania, DOI: WOS:000390706300093. 26. M. Adochiţei, C. Harabagiu, D. Astanei, R. Burlică, A new solar energy converting system with vertical photovoltaic

	panels, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 1129-1131, October 16-18, Iaşi Romania, WOS:000353565300205. 27. R. Burlică, E. Hnatiuc, D. Astanei, Fault current protection control by di/dt, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 264-267, October 16-18, Iaşi Romania, WOS:000353565300042. 28. D. Astanei, M. Ursache, I. Stoica, E. Hnatiuc, R. Munteanu, R. Burlica, Zirconium and Titanium Surface Treatment Using Non-Thermal Plasma for Dentistry Applications, proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1024-1029, May 22-24, Braşov, Romania, WOS:000343551300150.
	Invenții și brevete (punctul J din Anexa A.3.7)
	1. Brevet de invenţie – R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, M. Andruşcă, M. Adam, Minireactor electrochimic cu plasma non-termica cu geometrie in forma de T pentru producerea apei activate, nr. RO134206(B1) 2024. 2. Cerere de brevet de invenţie – I.D. Dirlău, D. Astanei, O. Beniugă, R. Burlică, Minireactor conic cu plasmă non-termică pentru producerea apei activate, cu aplicaţii în agricultură, Cerere de brevet nr. RO133404A2 / 2017. 3. Cerere de brevet de invenţie – R. Burlică, D. Astanei, O. Beniugă, D.E. Creţu, C.C. Rusu, Dispozitiv cu plasma non-termica DBD-Corona pentru tratamentul substraturilor polimerice destinate ambalarii produselor alimentare, Cerere de brevet nr. RO137958(A2) / 2022. 4. Cerere de brevet de invenţie – R. Burlică, D. Astanei, O. Beniugă, M.A. Olariu, D.E. Creţu, Dispozitiv cu plasma non-termica DBD pentru tratamentul substraturilor polimerice destinate imprimarii circuitelor electronice flexibile, Cerere de brevet nr. RO137678 (A2) / 2022. 5. Cerere de brevet de invenţie - R. Burlică, D.G. Astanei, O.C Beniugă, A. Dragomir, R. Beniugă, Sistem de panouri fotovoltaice cu dispersie optică a luminii solare pentru aplicaţii în agricultură, Cerere de brevet nr. A00557/ 2023.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membru proiect Bio-tratament aplicat pe ambele suprafete ale foliei polimerice utilizata pentru impachetarea produselor alimentare utilizand plasma non-termica DBD-Corona, Proiect tip ERANET-MANUNET-III-PlasmaPack, nr. 214 / 2020, perioada 2020-2022 (24 luni). 2. Director proiect Reactor cu plasma non-termica la presiune atmosferica pentru pre-tratamentul substraturilor polimerice utilizate in fabricarea circuitelor imprimate flexibile, proiect tip ERANET- MANUNET-III-Treatoflex, nr. 146 / 2020, perioada 2020-2022 (24 luni), director proiect 3. Membru proiect Evaluarea apei activate produse de către diferite reactoare de plasmă non- termică, proiect tip PN-III-P3-3.1-PM-RO-FR, nr. 19BM / 2019, perioada 2019-2021 (30 luni). 4. Director proiect Model experimental pentru demonstrarea fezabilitatii cresterii potentialului terapeutic al germenilor de grau prin tratarea acestora cu apa activata cu plasma non-termica (PAW), proiect tip PN-III-P2-2.1-PED-2019-0556, nr. 361PED / 2020, perioada 2020-2022 (24 luni), 5. Director proiect Creșterea Producției Agricole în Sere Utilizând Irigarea cu Apă Activată cu Plasmă Rece, proiect tip PN III, P IV-PCE, nr. 15 / 12.07.2017, perioada 2017-2019 (30 luni),

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Ciobanu Romeo Cristian **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)** 1. Ciobanu D., Ciobanu R., CHIMIA PRODUSELOR ALIMENTARE I, 312 pag, Ed. Tehnica Kishinew, Rep. Moldovia, ISBN 9975-63-036-7 2. Ciobanu D., Ciobanu R., CHIMIA PRODUSELOR ALIMENTARE II, 409 pag, 2001, Ed.Tehnica Kishinew, Rep. Moldovia, ISBN 9975-63-063-4, 3. Ciobanu D., Ciobanu R., CHIMIA MEDIULUI AMBIANT – INVESTIGATII ANALITICE, 200,180 pag, Ed. Tehnica-INFO Kishinew, Rep. Moldovia, ISBN 9975-63-036-7 4. Ciobanu D., Ciobanu R., CHIMIA MEDIULUI AMBIENT, 2001, 236 pag, Ed. Tehnica-INFO Kishinew, Rep. Moldovia, ISBN 9975-63-060-1 5. Ciobanu D., Nedeff V., Ciobanu R., SURSE SI FACTORI DE POLUARE CHIMICA IN DIFERITE MEDII INDUSTRIALE –PARTEA 1-A: DEPOLUAREA PRIN VALORIFICARE, 2002, 327 pag., –Ed.Tehnica-INFO Kishinew, Rep. Moldovia, ISBN 9975-63-123-1 6. Ciobanu R., Schreiner C., CALITATEA IN INDUSTRIE SI SERVICII - DE LA DEFINIRE, LA TEHNICI MODERNE DE ASIGURARE, 148 pag., 1999 (2002), Ed. Magnum Pres Iasi, Romania, ISBN 973-5632-99-4, 7. Schreiner C., Ciobanu R., Hutu C., ETICA TEHNICA SI A AFACERILOR, 186 pag., 2002,Ed. Gh. Asachi, Iasi, Romania, ISBN 973-8292-72-7 8. Schreiner C., Ciobanu R., Hutu C., SOME TECHNICAL AND ETHIC ASPECTS REGARDING TQM IMPLEMENTATION WITHIN SMES, IN MANAGEMENT OF TECHNOLOGICALCHANGES, 361-369 pag., 2001, EDITOR C. RUSU – Ed. Economica Bucuresti, Romania, ISBN 973-590-580-9 9. Ciobanu R., Schreiner C., Hutu C., EXPERT SYSTEMS FOR TQM IMPLEMENTATION AND SURVEY DEDICATED TO SMES, IN MANAGEMENT OF TECHNOLOGICAL CHANGES, 370-379pag 2001, C. RUSU EDITOR – Ed. Economica Bucuresti, Romania, ISBN 973-590-580-9 10. Ciobanu R., CALITATEA ŞI FIABILITATEA MATERIALELOR ELECTROIZOLANTEFIBROASE, 153 pag., 2002, Ed. Politehnium, Iasi, Romania, ISBN 973-8292-17-4 11. Adam M., Baraboi A., Ciobanu R., MONITORIZAREA SI DIAGNOSTICAREAINTRERUPTOARELOR DE PUTERE, 241 pag., 2001, Ed. Politehnium, Iasi, Romania, ISBN 973- 8292-18-2 12. Baraboi A., Adam M., Ciobanu R., APARATE ELECTRICE DE INALTA TENSIUNE:SOLICITĂRI; PRINCIPII CONSTRUCTIVE ŞI FUNCŢIONALE; MENTENANŢĂ 204 pag 2002, Ed.Politehnium, Iasi, Romania, ISBN 973-8292-23-9, 13. Baraboi A., Ciobanu R., Schreiner C., SISTEME EXPERT DE ASIGURARE A CALITATII ININDUSTRIE SI SERVICII, 166 pag 2002, Ed. Politehnium, Iasi, Romania, ISBN 973-8292-7 14. Schreiner C., Adam M., Ciobanu R., CERCETARI PRIVIND CALITATEA SI FIABILITATEA IN INGINERIA ELECTRICA, 143 pag., 2003, Ed. Politehnium, Iasi, Romania, ISBN 973-621-031-6 15. Schreiner C., Ciobanu R., Baraboi A., STUDII PRIVIND CALITATEA SI FIABILITATEA IN INGINERIA ELECTRICA, 189 pag., 2003, Ed. Politehnium, Romania, ISBN 973-621-032-4 16. Schreiner C., Ciobanu R., Temneanu M., ADVANCED ON QUALITY AND RELIABILITY ASSURANCE OF ELECTRICAL MATERIALS, 136 pag., 2002, Ed. Politehnium, Iasi, Romania, ISBN 973-8292-24-7

	17. Olariu M., Ciobanu R., Arădoaei S., CERCETĂRI PRIVIND ASIGURAREA CALITĂŢII MICRO- ŞI NANOMATERIALELOR PE BAZA ANALIZEI SARCINII ELECTRICE SPAŢIALE, 124 pag., Editura PIM (2009), ISBN 978-606-520-675-5 18. Arădoaei S., Ciobanu R., Olariu M., Constantinescu G., CERCETĂRI PRIVIND ANALIZACALITĂŢII MATERIALELOR ELECTROIZOLANTE PRIN METODA SPECTROSCOPIEIDIELECTRICE, 193 pag., Editura PIM Iasi (2009), ISBN 978-606-520-674-8 19. Georgescu Gh., Neagu B., Ciobanu R., PROIECTAREA ŞI EXPLOATAREA ASISTATĂ DE CALCULATOR A SISTEMELOR PUBLICE DE REPARTIŢIE ŞI DISTRIBUŢIE A ENERGIEI ELECTRICE, Vol. 1, partea a-II-a, 586 pag., Ed. Pim, Iaşi, 2011, ISBN 978-606-13-0148-5. 20. Ciobanu R., Tulbure M., Feraru A.G., APLICAŢII ALE METODELOR DE ANALIZĂ PENTRU DIMINUAREA POLUĂRII MEDIULUI ŞI VALORIFICAREA SUPERIOARĂ A UNOR SUBPRODUSE DIN INDUSTRIA ALIMENTARĂ, Editura PIM Iasi (2010), ISBN 978-606-520-672-4 21. Schreiner C., Ciobanu R., Tulbure M., INVESTIGAŢII TEHNICO-ANALITICE SPECIFICE MINIMIZĂRII SCĂZĂMINTELOR TEHNOLOGICE ÎN INDUSTRIA ALIMENTARĂ :INVESTIGAŢII TEHNICO-ANALITICE, Editura PIM Iasi (2010), ISBN 978-606-520-671-7 22. Aradoaei M., Ciobanu R., Aradoaei S., Caracterizarea biocompozitelor reciclate cu destinația electrotehnică, Editura Pim Iași, 2019, ISBN978-606-13-5040-7, pp.192
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. V. David, Ciobanu, R, A. Salceanu, On the characterization of the electromagnetic field propagation through buildings' walls, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), FASC. 5B, 2006, pg. 820 – 825. 2. Ciobanu R., C. Schreiner, W. Pfeiffer, Advanced Partial Discharge measurements in support of cellulose materials quality, Cellulose Chemistry and Technology, May-August 2004, v.39, n 3-4, pp.187-196 (IF= 2.082) 3. Ciobanu R., Schreiner Cristina, Pfeiffer Wolfgang, Space charge and field evolution in cellulose materials - A review of the PEA method for technological purposes, Cellulose Chemistry and Technology, v.38, n.1-2, January-April, 2004, pp.45-58 (IF=0.675) 4. Ciobanu R.; Poppel, E., A theoretical approach to the specific partial discharges-phenomenon in porous and multilayer composite structures, CELLULOSE CHEMISTRY AND TECHNOLOGY 33 (5- 6):437-444, 2000, ISSN 0576-9787 5. Ciobanu R. and Poppel, Em., "A theoretical approach to the PD-specific phenomena in composite dielectrics", Cellulose Chemistry and Technology, 1999, 33, no. 8, 624-629 6. Ciobanu R., Cellulose materials failure diagnosis using high frequency partial discharges characteristics, Celuloza si Hartie, vol.45, nr.4, 1999 7. E. Poppel and Ciobanu R., The effect of P.P.E.-synthetic resin addition on dielectric paper properties, Cellulose Chemistry and Technology, 22, no.6, 1988, pp.647-654 8. E. Poppel, D. Boutros, and Ciobanu R., Dielectric characteristics of nonwovens obtained from cellulose, viscose and polypropylene fibbers, Cellulose Chemistry and Technology, 23, nr.6, 1989, pp.761-770 9. R. Rusei, M. Pîslaru, Ciobanu R. and D.Ciurea, SYSTEMS FOR INDUSTRIAL PROCESSES QUALITY IMPROVEMENT Proceedings of the 5th International Conference on Electrical and Power Engineering-EPE 2008 October 3-5; 2008, Iasi, Romania. Buletinul Insitutului Politehnic Iasi, Tomul LIV (LVIII), Fascicol 3, pag 461-466, ISSN: 1223-8139. 10. Ciobanu R., Pfeiffer, W. and Poppel, Em., 2000, "Diagnoza materialelor electroizolante celulozice pe baza descărcărilor

parţiale in banda largă de frecvenţă - Novel diagnosis method for cellulose materials, based on broadband partial discharge evaluation", Electrotehnica EEA, 48, no.4

11. Caseriu, M., Ciobanu R., Pauna, I. and Caramitu, A., "Study regarding the lifetime estimation for insulating papers", Electrotehnica EEA, 46, no.2, 43-46, 1998

12. Poppel. Em, Ciobanu R., Antochi M. and Ciolacu, F., 1998, "Contributions regarding the manufacture and characterisation of several fibre mixtures, I. Composites made of glass fibres, ceramic fibres and cellulose pulps", Celuloza si Hartie, 47, no. 1, 3-10 pag

13. Poppel. Em, Ciobanu R., Antochi M. and Ciolacu, F., 1998, "Contributions regarding the manufacture and characterisation of several fibre mixtures, II. Composites made of carbon fibres,polyamide fibres and cellulose pulps", Celuloza si Hartie, 47, no. 1, 11-18 pag

14. Schreiner, C. and Ciobanu R., "Prediction of electronic devices reliability via statistical evaluation of partial discharges phenomena", U.T.Iasi Bull., Tom 45, fasc. 5A, 197-200, 1999

15. Ciobanu R., Pfeiffer, W., Balan, T. and Temneanu, M., 1997, "The specific behaviour of electrotechnical papers under high frequency partial discharges"' U.T.Iasi Bull., Tom 43, fasc.1-2, 91- 96

16. Schreiner, C. and Ciobanu R., 1997, "Partial discharge phenomena under non-sinusoidal electric field of some composite insulations for special electrical machines", U.T.Iasi Bull., Tom 43, fasc. 3-4, 63-70

17. Ciobanu R. and Schreiner, C., 1995, "Probleme ale efectuarii rodajului la hirtiile electrotehnice - Preaging of papers for electrical purposes", Celuloza si Hirtie, 44, no.2, 28-34pag

18. Schreiner, C. and Ciobanu R., 1995, "Aparat pentru determinarea rapida a grosimii produselor papetare - Magnetic device for quick estimation of paper products thickness", Celuloza si Hirtie, 44, no.2, 45-48

19. Schreiner, C. and Ciobanu R., 1995, "Aspecte ale estimarii fiabilitatii hirtiilor la radiatie gamma - Paper products reliability under gamma-radiation conditions", Celuloza si Hirtie, 1995, 44, no.1, 12-17

20. Ciobanu R., Pfeiffer, W. and Plessow, R., 1996, "The specific behavior of electrical papers under high frequency-high voltages", U.T.Iasi Bull., Tom 42, fasc.1-4, 321-326

21. Ciobanu R. and Balan, T., 1995, "A THEORETICAL MODEL IN RELIABILITY ESTIMATION OF POWER CAPACITORS WORKING IN PERIODICAL NONSINUSOIDAL ELECTRIC FIELD", U.T.Iasi Bull., Tom 41, 243-247

22. S. ARADOAEI, S. HANGANU, Ciobanu R., INTRODUCTION TO FINITE ELEMENT ANALYSIS FOR DIELECTRIC MATERIAL MODELING, BULETINUL INSTITUTULUI POLITEHNIC IASI TOMUL L (LIV), FASC. 5, 2004, 463-466

23. I. Prisecaru, Ciobanu R., Hanganu S., STATISTICAL INVESTIGATIONS UPON MICRO- POROSITY, BY USE OF PEA MEASUREMENTS, BULETINUL INSTITUTULUI POLITEHNIC IASI TOMUL L (LIV), FASC. 5, 2004, 495-498

24. S. Hanganu, Ciobanu R., I. Prisecaru, MULTIFACTOR AGEING MODELS DERIVED FROM PEA MEASUREMENTS IN SUPPORT OF MICRO-MATERIALS RELIABILITY, BULETINUL INSTITUTULUI POLITEHNIC IASI TOMUL L (LIV), FASC. 5, 2004, 475-478

25. I. Prisecaru, DUMITRU GEANINA., Ciobanu R. PEA TESTS WITH REVERSE VOLTAGE –AN INTRODUCTION TO PEA AC MEASUREMENTS, BULETINUL INSTITUTULUI POLITEHNIC IASI TOMUL L (LIV), FASC. 5, 2004, 491-494

26. S. Aradoaei, M. Olariu, S. Ursache, Ciobanu R., PMMA Dielectric Parameters analysis via Broadband Dielectric Spectroscopy Method, Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, 2006, pp. 597-602, ISSN:1223-8139

27. G. Constantinescu, S. Aradoaei, S. Ursache, Ciobanu R., A New Class of Electrical Materials from Renewable Resources, Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, 2006, pp. 603-608, ISSN:1223-8139
28. S. Ursache, S. Aradoaei, Ciobanu R., Numerical Techniques for Electromagnetic Problems in Screening Applications, Buletinul Insitutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, 2006, pp. 689- 694, ISSN:1223-8139
29. T. Balan, D. Balan and Ciobanu R., Contributions regarding the behavioral analysis of force capacitors for cosΦ improving under periodical nonsinusoidal electric field, Electrotehnica E.E.A., 36, nr.7, 1988, pp. 276-280
30. T. Balan, D. Balan, and Ciobanu R., The improvement of force capacitors reliability, Energetica, 39, no.4B, 1991, pp. 135-138
31. Ciobanu R., Some aspects concerning the fibrous materials reliability in radiation conditions, I.P.Iasi Bull., Tom 38, 1992, pp. 27-31
32. Ciobanu R. and C. Schreiner, The reliability analysis of papers containing synthetic fibers, Celuloza si Hirtie, 43 no.3, 1994, pp. 124-127
33. Ciobanu R. and C. Schreiner, Some pre-aging aspects concerning the technology of papers for electrical purposes, Celuloza si Hirtie, 43 no.4, 1994, pp.187-193
34. Ciobanu R. and R. Ciobanu, Some aspects concerning the estimation of papers reliability under gamma radiation conditions, Celuloza si Hirtie, 44 no.1, 1995, pp.12-17
35. T. Balan, D. Balan and Ciobanu R., New parameters in analysis of dielectric behavior of polar liquid dielectrics, Electrotehnica E.E.A., 37, nr.8, 1989, pp.338-341
36. V. Catuneanu and Ciobanu R., „Some possibilities in reliability estimation of composite dielectricsworking under UV radiation conditions“, Calitate-Fiabilitate-Metrologie, 37, nr.4, 1990, pp.125-127
37. Ciobanu R. and D. Balan, Fibrous insulators - New rheological characteristics concerning their transient behavior under mechanical stress, Electrotehnica E.E.A., 38, nr.7, 1990, pp.272-275
38. T., Balan, D., Balan and Ciobanu R., Some contributions concerning the behavior of polar liquid dielectrics in periodic nonsinusoidal electric fields, I.P. Iasi Bull., Tom.32, 1986, pp.65-69
39. D. Balan, T. Balan and Ciobanu R. L'influence de la température sur les paramètres du schémaélectrique équivalente des diélectriques polaires liquides, caractéristiques isotangentes de δ, I.P. Iasi Bull., Tom 34, 1988, pp.33-38
40. E. Poppel, I. Costan and Ciobanu R., Influence of chemical composition of papers on their dielectric properties“, Celuloza si Hirtie, 35, nr.3, 1986, pp.67-72
41. E. Poppel, I. Costan and Ciobanu R., „Influence of some typical stages in papers technology on their mechanical and dielectric properties, Celuloza si Hirtie, 35, nr.4, 1986, pp.120-125
42. Poppel and Ciobanu R., Behavior of sulfate pulps for electrical purposes in thermal aging processes and dielectric implications, Celuloza si Hirtie, 36, nr.2, 1987, pp.51-55
43. E. Poppel and Ciobanu R., Behavior of pulps for electrical purposes in refining processes and dielectric implications, Celuloza si Hirtie, 36, nr.3, 1987, pp.102-107
44. Costan and Ciobanu R., „Technological ways to diminish some specific defects concerning paper insulators“, Celuloza si Hirtie, 36, nr.4, 1987, pp.177-180
45. E. Poppel and Ciobanu R., Some problems regarding the optimization of pulp refining processes, in order to obtain superior dielectric characteristics, Celuloza si Hirtie, 36, nr.4, 1987, pp.170-173
46. E. Poppel and Ciobanu R., Demineralization process of pulps for electrical purposes - conditions, functional

characteristics and optimization, Celuloza si Hirtie, 37, nr.2, 1988, pp.65-68
47. E. Poppel, Ciobanu R. and D. Balan, The reliability of insulation from cellulose pulps with polyamin-polyamid-epichlorhydrine-additives, Celuloza si Hirtie, 37, nr.2, 1988, pp.84-87
48. M. Ghinet and Ciobanu R., The influence of carboxymethyl-cellulose-resin addition on dielectric properties of cellulose pulps, Celuloza si Hirtie, 37, nr.3, 1988, pp.121-124
49. E. Poppel and Ciobanu R., Specific UV radiation aging processes of pulps for electrical purposes, Celuloza si Hirtie, 37, nr.3, 1988, pp.125-129
50. I. Costan and Ciobanu R., The deposit proceedings for pulps for electrical purposes, Celuloza si Hirtie, 37, nr.4, 1988, pp.155-158
51. E. Poppel, D. Boutros and Ciobanu R., Viscose - Cellulose mixtures for electrical purposes, Celuloza si Hirtie, 38, nr.1, 1989, pp.6-9
52. Ciobanu R. and D. Balan, Papers behavior under surface PD phenomena, Celuloza si Hirtie, 38, nr.1, 1989, pp.27-30
53. Ciobanu R., A possibility of reliability estimation of cellulose materials in correlation to the applied technology, Celuloza si Hirtie, 38, nr.3, 1989, pp.99-105
54. D. Sitoiu, R. Ciobanu R. and T. Balan, Paper products for electrical purposes obtained using carboxymethylcellulose and polyamide-resins as additives, Celuloza si Hirtie, 38, nr.3, 1989, pp.117- 120
55. D. Gheorghita, Ciobanu R. and G. Balanescu, Mineral content of pulps for electrical purposes - composition, dielectric characteristics and recommended limits of demineralization processes, Celuloza si Hirtie, 38, nr.4, 1989, pp.147-150
56. Ciobanu R. and D. Balan, Possibility of using urea-formaldehyde-resins as mass additives for papers for electrical purposes, Celuloza si Hirtie, 38, nr.4, 1989, pp.151-154
57. Ciobanu R. and V. Faraon, X radiation aging of pulps for electrical purposes, Celuloza si Hirtie, 39, nr.4, 1990, pp.121-124
58. Ciobanu R. and I. Stacescu, Some researches concerning the gamma radiation effect on papers for electrical purposes, Celuloza si Hirtie, 40, nr.1, 1991, pp.27-29
59. C. Schreiner, Ciobanu R. and S. Ciovica, Some aspects concerning the specific characteristics for quality assessment of papers for electrical purposes, Celuloza si Hirtie, 40, nr.1, 1991, pp.36-40
60. Ciobanu R. and D. Balan, The influence of phenolic resin addition on dielectric properties of cellulose pulps, Celuloza si Hirtie, 41, nr.1, 1992, pp.38-40
61. Ciobanu R., V. Dascalescu and I. Ciobanu, Hardwood-softwood sulfate pulps mixtures for electrical purposes, Celuloza si Hirtie, 41, nr.1, 1992, pp.46-48
62. D. Ciobanu and Ciobanu R., Cyanoethilcellulose for electrical purposes, Celuloza si Hirtie, 41, nr.3, 1992, pp.144-146
63. Ciobanu R., C. Schreiner, Analiza structurii materialelor electroizolante poroase, utilizând modele statistice de caracterizare a descărcărilor parţiale, Electrotehnica EEA, 2003, 51, (1)
64. C. Schreiner, Ciobanu R., Metoda de analiza termogravimetrica a fiabilitatii materialelor electroizolante fibroase, Electrotehnica EEA, 2003, 51, (3)
65. C. Schreiner, Ciobanu R., Aspecte tehnice şi legislative vizând controlul şi eliminarea echipamentelor care conţin PCB ,în România - I. Aspecte tehnice relevante pentru România şi propuneri de reglementări oficiale, Electrotehnica EEA, 2003, 51, (4)
66. C. Schreiner, Ciobanu R., Aspecte tehnice şi legislative vizând controlul şi eliminarea echipamentelor care conţin PCB,

	în România - II. Inventarul şi disponibilitatea reală a condensatoarelor de putere aflate în exploatare în România, Electrotehnica EEA, 2003, 51, (6) 67. Ciobanu R., C. Schreiner, W. Pfeiffer, Influence of mineral content upon electric field evolution in paper for dc cable insulation, Buletinul U.T. Iasi, 2003, 49, fasc. 1-2, pp.32-36 68. Ciobanu R. C. Schreiner, W. Pfeiffer, Advanced Partial Discharge tests in support of porous materials quality, Buletinul U.T. Iasi, 2003, 49, 3-4, pp.97-102
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment, Polymers Journal 2023, Volume 15, Issue 19, 3859, DOI:10.3390/polym15193859, WOS: 001083084200001, 2. Mihaela Aradoaei, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, Piezoelectric thin Film Composites with BaTiO3 for Microelectronics, Revista de Materiale Plastice, 2023, vol.:60, Issue 4, pp. 10-130, DOI:10.37358/MP.23.4.5683, 3. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pintea, Mihaela Baibarac, Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001, 4. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, Mihaela Aradoaei, Violeta Tsakiris, Jana Pintea, Virgil Marinescu, Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe2O4 Powders, Polymers Journal 2023, Volume 15, Issue 11, 2447, DOI: 10.3390/polym15112447, WOS:001005724100001, 5. Romeo C. Ciobanu, Radu F. Damian, Cristina M. Schreiner, Mihaela Aradoaei, Alexandru Sover, Askok M. Raichur 6. Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, Mihaela Aradoaei, Nicolae Lucanu, Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication, Polymers Journal, 2021, Volume 13, Issue 23, 4253, DOI:10.3390/polym13234253, WOS:000734564000001, 7. Megha Sahu, Lakshmi Narasimhan, Ashok M. Raichur, Alexandru Sover, Romeo C. Ciobanu,Nicolae Lucanu, Mihaela Aradoaei, Improving Fracture Toughness of Tetrafunctional Epoxy with Functionalized 2D Molybdenum Disulfide Nanosheets, Polymers Journal, 2021, Volume 13, Issue 24, 4440, DOI: 10.3390/polym13244440, WOS:000737388000001, factor de impact 5, 8. Luiza Madalina Gradinaru, Mihaela Barbalata Mandru, Mioara Drobota, Magdalena Aflori, Maria Butnaru, Maria Spiridon, Florica Doroftei, Mihaela Aradoaei, Romeo Cristian Ciobanu, Stelian Vlad, Composite Materials Based on Iron Oxide Nanoparticles and Polyurethane for Improving the Quality of MRI, Polymers Journal, 2021, Volume 13, Issue 24, 4316, DOI: 10.3390/polym13244316, WOS:000737424800001, factor de impact 5, 9. V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, M. Aradoaie, R. Ciobanu,L. Pintilie, Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS–Fe3O4 Composites, Materials 2021, Volume 14, Issue 13, 3696, DOI: 10.3390/ma14133696, WOS:000671005800001, factor de impact 3,4 10. Alina Ruxandra Caramitu, Radu Dascalu, Ioana Ion, Violeta Tsakiris, Nicolae Stancu, Mihaela Aradoaei, Romeo Cristian Ciobanu, Adriana Mariana Bors, Iosif Lingvay, Obtaining and Characterizing 3D Printable Polymer Based Composites with BaTiO3 Filler, Revista de Materiale Plastice, 2021, vol.:58, Issue 1, pp. 11-18, DOI:10.37358/MP.21.1.5440, WOS:000637398100002,factor de impact 0.8, 6/9 –pct. 0,66

	11. CI Brinzila, MJ Pacheco, L Ciríaco, RC Ciobanu, A Lopes, Electrodegradation of tetracycline onBDD anode, Chemical Engineering Journal 209, 54-61 12. M Danciu, T Alexa-Stratulat, C Stefanescu, G Dodi, BI Tamba, CT Mihai, RC Ciobanu, Terahertz spectroscopy and imaging: a cutting-edge method for diagnosing digestive cancersMaterials 12 (9), 1519 13. S Cetiner, H Karakas, RC Ciobanu, M Olariu, NU Kaya, C Unsal, Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR–ATR and dielectric spectroscopic characterization ofcomposite thin films, Synthetic Metals 160 (11-12), 1189-1196 14. X Ma, F Scarpa, HX Peng, G Allegri, J Yuan, RC Ciobanu, Design of a hybrid carbon fibre/carbon nanotube composite for enhanced lightning strike resistance, Aerospace Science and Technology 47, 367-377 15. E Verna, I Cannavaro, V Brunella, EG Koricho, G Belingardi, D Roncato, RC Ciobanu, Adhesive joining technologies activated by electro-magnetic external trims, International Journal of Adhesion and Adhesives 46, 21-25 16. C Hamciuc, E Hamciuc, M Olariu, RC Ciobanu, Thermal and electrical behaviour of some hybrid polyimide films containing barium and titanium oxides, Polymer international 59 (5), 668-675 17. LM Gradinaru, M Barbalata Mandru, M Drobota, M Aflori, M Butnaru, RC Ciobanu, Composite materials based on iron oxide nanoparticles and polyurethane for improving the quality of MRI, Polymers 13 (24), 4316 18. P Kopyt, R Damian, M Celuch, RC Ciobanu, Dielectric properties of chiral honeycombs– Modelling and experiment, Composites Science and Technology 70 (7), 1080-1088 19. M Sahu, L Narasimhan, AM Raichur, A Sover, RC Ciobanu, N Lucanu, Improving fracture toughness of tetrafunctional epoxy with functionalized 2D molybdenum disulfide nanosheets, Polymers 13 (24), 4440 20. AD La Rosa, SA Grammatikos, GA Ursan, S Aradoaei, J Summerscales, RC Ciobanu, Recovery of electronic wastes as fillers for electromagnetic shielding in building components: An LCA study, Journal of Cleaner Production 280, 124593 21. S Cetiner, M Olariu, RC Ciobanu, H Karakas, F Kalaoglu, A Sezai Sarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, Fibers and Polymers 11, 843-850 22. M Drobota, S Vlad, LM Gradinaru, A Bargan, I Radu, M Butnaru, RC Ciobanu, Composite materials based on gelatin and iron oxide nanoparticles for MRI accuracy, Materials 15 (10), 3479 23. M Baibarac, A Nila, I Smaranda, M Stroe, L Stingescu, M Cristea, RC Ciobanu, Optical, Structural, and Dielectric Properties of Composites Based on Thermoplastic Polymers of the Polyolefin and Polyurethane Type and BaTiO3 Nanoparticles, Materials 14 (4), 753 24. RC Ciobanu, R Damian, I Casian-Botez, Electromagnetic characterization of chiral auxetic metamaterials for EMC applications, Computer Standards & Interfaces 32 (3), 101-109 25. LM Gradinaru, M Bercea, S Vlad, MB Mandru, M Drobota, M Aflori, RC Ciobanu, Preparation and characterization of electrospun magnetic poly (ether urethane) nanocomposite mats: Relationships between the viscosity of the polymer solutions and the electrospinning ability, Polymer 256, 125186 26. G Stan, RC Ciobanu, A Pal, Balancing-compensation system for the vertically moving elements of the machine tools with numerical control, Meccanica 46, 755-769 27. L Saitta, G Rizzo, C Tosto, G Cicala, I Blanco, E Pergolizzi, RC Ciobanu, Chemical recycling of fully recyclable bio-epoxy matrices and reuse strategies: a cradle-to-cradle approach, Polymers 15 (13), 2809 28. AI Barzic, M Soroceanu, R Rotaru, V Harabagiu, RC Ciobanu, Optical dispersion characteristics of polyvinyl alcohol reinforced with a nanoceramic filler, Mater. Plast. 57 (1), 1-7

	29. RC Ciobanu, G Batrinescu, GA Ursan, AR Caramitu, V Marinescu, Mechanical and morphostructural characteristics of composite materials performed by recycling mixed waste of plastic and paper, Mater. Plast. 56 (3), 475-478 30. RC Ciobanu, C Schreiner, R Damian, High frequency electromagnetic energy phenomena in chiral dielectric structures with distributed and localized conductive insertionsComposites Part B: Engineering 160, 241-248 31. CI Briînzilă, RC Ciobanu, E Brillas, Effect of experimental parameters on crystal violet mineralization by Electro-Fenton processes , Environmental Engineering & Management Journal (EEMJ) 11 (3) 32. RC Ciobanu, W Pfeiffer, R Plessow, Influence of mineral content on the behaviour of electrical papers under high-frequency partial discharges, European transactions on electrical power 9 (3), 193-197 33. AR Caramitu, MV Lungu, RC Ciobanu, I Ion, M Marin, V Marinescu, Recycled Polypropylene/ Strontium Ferrite Polymer Composite Materials with Electromagnetic Shielding Properties, Polymers 16 (8), 1129 34. MG Manuel, BI Tamba, M Leclere, M Mabrouk, TG Schreiner, RC Ciobanu, Intrathecal pseudodelivery of drugs in the therapy of neurodegenerative diseases: rationale, basis and potential applications, Pharmaceutics 15 (3), 768 35. CI Brînzilă, MJ Pacheco, L Ciríaco, RC Ciobanu, A Lopes, Decontamination of synthetic wastewater containing pharmaceutical contaminants by anodic oxidation with boron-doped diamond (BDD) electrode, Environmental Engineering & Management Journal (EEMJ) 13 (9) 36. M Stroe, T Burlanescu, M Paraschiv, A Lőrinczi, E Matei, RC Ciobanu, Optical and Structural 37. TG Schreiner, BI Tamba, CT Mihai, A Lőrinczi, M Baibarac, RC Ciobanu, Nanoporous Membranes for the Filtration of Proteins from Biological Fluids: Biocompatibility Tests on Cell Cultures and Suggested Applications for the Treatment of Alzheimer, Journal of Clinical Medicine 11 (19), 5846 38. TG Schreiner, I Turcan, MA Olariu, RC Ciobanu, M Adam, Liquid biopsy and dielectrophoretic analysis—complementary methods in skin cancer monitoring, Applied Sciences 12 (7), 3366 39. LM Gradinaru, S Vlad, RC Ciobanu, The development and study of some composite membranes based on polyurethanes and iron oxide nanoparticles, Membranes 12 (11), 1127 40. V Stancu, A Galatanu, M Enculescu, M Onea, B Popescu, P Palade, RC Ciobanu, Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS–Fe3O4 Composites, Materials 14 (13), 3696 41. A Trandabat, M Branzila, C Donciu, RC Ciobanu, Using gps technology and distributed measurement system for air quality maping of rezidential area, Environmental Engineering and Management Journal 6 (6), 545-548 42. MV Lungu, D Tălpeanu, RC Ciobanu, A Cojocaru, D Pătroi, V Marinescu, Evaluation of magnetron sputtered TiAlSiN-based thin films as protective coatings for tool steel surfaces, Coatings 14 (9), 1184 43. AR Caramitu, RC Ciobanu, MV Lungu, EM Lungulescu, CM Scheiner, Polymeric Protective Films as Anticorrosive Coatings—Environmental Evaluation, Polymers 16 (15), 2192 44. OD Schreiner, D Socotar, RC Ciobanu, TG Schreiner, BI Tamba, Statistical Analysis of Gastric Cancer Cells Response to Broadband Terahertz Radiation with and without Contrast Nanoparticles Cancers 16 (13), 2454 45. TG Schreiner, OD Schreiner, RC Ciobanu, Spinal Cord Injury Management Based on Microglia- Targeting Therapies, Journal of Clinical Medicine 13 (10), 2773Properties of Composites Based on Poly(urethane) and TiO2 Nanowires, Materials 16 (4), 1742
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Polyurethane Composites Based on Iron Oxide Nanoparticles as Precursor in MRI Gradinaru, LM; Vlad, S; (...); Ciobanu, RC9th IEEE International Conference on e-Health and Bioengineering (EHB) 2021

	2. Environmental Pollution Control Sebastian, PM; Ciobanu, RC, George-Andrei, UInternational Conference on Electromechanical and Energy Systems (SIELMEN) 2019 3. Remote Data Acquisition and Monitoring for an Integrated Air Pollutant Monitoring System Sebastian, PM; Ciobanu, RC, (...); Ramona, S International Conference on Electromechanical and Energy Systems (SIELMEN) 2019 4. Modeling and Simulation of Nanoparticles Dispersion for the Realization of ACFs Ciobanu, RC; Olariu, MA; (...); Plopa, O International Symposium on Fundamentals of Electrical Engineering (ISFEE) 2018 5. Enhancement of Annual Energy Production Based on Optimal Adjustment of PV Panels Orientation Nemes, CM; Scînteie, CG and Ciobanu, R IEEE International Energy Conference (ENERGYCON) 2018 6. Advanced Image Processing in Support of THz Imaging for Early Detection of Gastric Cancer Ciobanu, R; Oliver, S; (...); Emil, D 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018 7. Research on Functionalized Gadolinium Oxide Nanoparticles for MRI and THz Imaging Ciobanu, R; Thomas, S; (...); Ciortescu, I 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018 8. Specific Tests Concerning Microwave Sterilization Efficiency of Combined Plastic and Paper Waste Ciobanu, RC; Ursan, GA; (...); Banciu, AR 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018 9. Limits and Particularities of the Synthesis of Ba1-xCaxTiO3 for Piezoelectric Applications, by Topochemical Conversion from Molten Salt Solutions Vlaicu, ID; Maraloiu, AV; Ciobanu, RC (...); Plopa, O 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018 10. Probabilistic Analysis of Sky Clearness Index for Solar Energy Systems Planning Nemes, C; Ciobanu, R and Rugina, C 2018 SMART CITY SYMPOSIUM PRAGUE (SCSP) 11. Aided Decision Making for Hybrid Energy Systems Planning in Micro-Grids Scarlatache, F; Grigoras, G; (...); Ciobanu, RC 2018 SMART CITY SYMPOSIUM PRAGUE (SCSP) 12. Development of a wireless glove based on RFID Sensor Haba, CG; Breniuc, L; (...); Ciobanu, RC, Tudosa, I International Conference on Applied and Theoretical Electricity (ICATE) 2018 13. Patterns Discovery of Load Curves Characteristics Using Clustering Based Data Mining Neagu, B; Grigoras, G; (...); Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017 14. Identification of pilot nodes for secondary voltage control using K-means clustering algorithm Grigoras, G; Neagu, BC; (...); Ciobanu, RC 26th IEEE International Symposium on Industrial Electronics (ISIE) 2017 15. Influence of Hybrid Energy Systems on Micro-Grids Control Scarlatache, F; Grigoras, G; (...); Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017 16. LTCC-based Ceramic Microsystems with Integrated Fluidic Elements and Sensors Belavic, D; Hodnik, M; (...); Ciobanu, R Schreiner, C 9th International Conference and Exposition on Electrical and Power Engineering (EPE) 2016 17. Screen-printed Pb(Mg,Nb)O3-PbTiO3 Thick Tilms on Ceramic Substrates for Sensor Applications Ursic, H; Khomyakova, E; Ciobanu, R (...); Bolado, P 9th International Conference and Exposition on Electrical and Power Engineering (EPE) 2016 18. Sensors in LTCC-technology with embedded microfluidic features, for medical applications Ciobanu, R; Schreiner, C; (...); Antal, D 2015 IEEE International Symposium on Medical Measurements and Applications (MEMEA 2015) 2015 19. Dielectric spectroscopy of biological tissues with targeted Fe2O3drug delivery systems in support of RF/MW - hyperthermal control Ciobanu, R and Schreiner, C 9th IEEE International Symposium on Medical Measurements and

	Applications (IEEE MeMeA) 2014 20. A LabVIEW Based Data Acquisition System for Temperature Measurement of Animal Liver Tissue with Different Procentage of Magnetic Insertions in Microwave Frequency Range Ciobanu, R; Damian, R; (...); Iliescu, R 8th International Conference And Exposition On Electrical And Power Engineering (EPE) 2014 21. Nano-structured electromagnetically-active adhesives for innovative assembling-disassembling technologiesCiobanu, R; Schreiner, C; (...); Verna, E 11th IEEE International Conference on Solid Dielectrics (ICSD) 2013 22. Dielectric and electromagnetic behavior of conductive nanocomposites polymers: PP/MWCNT investigations for EMI applications Ursache, S; Ciobanu, RC; (...); Niagu, A Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013) 2013 23. Electrochemical degradation of pharmaceutical compounds as Tetracycline in aqueous solution with BDD electrode Brinzila, C; Ciríaco, L; (...); Ciobanu, RC Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013) 2013 24. Innovative biocomposite derived from waste materials with applications in electrical domain Aradoaei, ST; Ciobanu, RC; (...); Mosneagu, M Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013) 2013 25. Modification of Dielectric Properties, after Barium Titanate Nanoparticles Sintering, from a Thermoplastic Polymer Matrix Scarlatache, VA; Niagu, A; Ciobanu, RC (...); Martorana, B International Conference and Exposition on Electrical and Power Engineering (EPE) 2012 26. Dielectric Characterization of New Concept of Nano-Structured Adhesives Electromagnetically Active Bratescu, C; Burlacu, R; (...); Ciobanu, R International Conference and Exposition on Electrical and Power Engineering (EPE) 2012 27. Magnetic and Dielectric Losses of a Nanocomposites Polymer Matrix Reinforced with Ferromagnetic Powders Scarlatache, VA; Olariu, M; Ciobanu, R (...); Pasquale, M International Conference and Exposition on Electrical and Power Engineering (EPE) 2012 28. The Influence of Frequency and Temperature upon Dielectric Behavior of Polypropylene reinforced with Multi-walled Carbon Nanotubes (MWCNTs) Olariu, M; Scarlatache, VA; (...); Ciobanu, RC13th International Conference on Optimization of Electrical and Electronic Equipment 2012 29. Development of a thermal simulation and testing model for a superior lithium-ion-polymer battery Pruteanu, A; Florean, BV; (...); Ciobanu, RC 13th International Conference on Optimization of Electridcal and Electronic Equipment 2012 30. Comparative Analysis versus Frequency of Inception Voltage of Partial Discharges Phenomena and Breakdown Strength, in Support of Quality Assessment of Insulating Materials Ciobanu, R and Schreiner, C 9th International Symposium on Measurement Technology and Intelligent Instruments 2010 31. Dielectric Properties Characterization of Conductive Polymeric Materials at Temperature and Frequency Variation Scarlatache, VA; Ursan, M and Ciobanu, RC 12th International Conference on Optimization of Electrical and Electronic Equipment 2010 32. A fuzzy approach regarding the analysis of wine production depending on different environmental parameters based on statistical signal processing Spiridonica, AM; Stoleriu, I and Ciobanu, RC 12th International Conference on Optimization of Electrical and Electronic Equipment 2010 33. EFFICIENCY AND CONVERGENCE OF THE WAVE CONCEPT ITERATIVE PROCEDURE Damian, RF; Botez, IC and Ciobanu, RC 23rd European Conference on Modelling and Simulation (ECMS) 2009

	34. INVESTIGATION OF THE HEXACHIRAL HONEYCOMB EMC PROPERTIES BY FULL WAVE ELECTROMAGNETIC SIMULATIONCiobanu, RC; Schreiner, C and Damian, RF 23rd European Conference on Modelling and Simulation (ECMS) 2009 35. GRID-EMBEBBED REMOTE INSTRUMENTATION APPLIED IN THE EARTH SCIENCES Kalvachev, Y; Ganev, V; (...); Ciobanu, R 9th International Multidisciplinary Scientific Geo-Conference and Expo 2009 36. Experimental regarding the evolution of space charge in polyolefins insulation Olariu, MA; Ciobanu, RC; (...); Aradoaei, S Annual Conference on Electrical Insulation and Dielectric Phenomena 2007 37. Evaluation via PEA measurements of paper-oil insulation submitted to gamma radiation Ciobanu, R; Schreiner, C and Olariu, M International Conference on Condition Monitoring and Diagnosis 2007 38. Broadband Partial Discharges Technique and Application in the field of cable paper insulation Ciobanu, R; Schreiner, C and Temneanu, M International Conference on Condition Monitoring and Diagnosis 2007 39. Knowledge-based bio-compounds from recycled PE/PET and wood derivates: Technological analysis, properties, perspectives Ciobanu, R; Aradoaei, S; (...); Constantinescu, G 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006) 2006 40. Influence of inductive effects upon space charge occurrence, with application in the field of failure diagnosis of electrical machines Ciobanu, R; Schreiner, C; (...); Mardarasievici, G 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006) 2006 41. High altitude air quality mapping system for large area using GPS technology and distributed measurement system Trandabat, A; Branzila, M; Ciobanu, R (...); Fosalau, C 4th International Conference on Management of Technological Changes 2005 Management of Technological Changes, Book 1 pp.431-434 42. Sustainable development in materials recycling by advanced pe/pet-wood sawdust compounds Aradoaei, S; Olariu, M; Ciobanu, R (...); Constantinescu, G 4th International Conference on Management of Technological Changes 2005 Management of Technological Changes, Book 2 pp.293-296 43. Air quality maping system for rezidential areas, using distributed measurements and gps technology Trandabat, A; Branzila, M; (...); Ciobanu, R 9th International Conference on Environmental Science and Technology 2005 44. E-survey instruments based on remote measurements, dedicated to peculiar areas with increased risk for environment safety Trandabat, A; Pislaru, M; (...); Ciobanu, R 9th International Conference on Environmental Science and Technology 2005 45. Minimal fuzzy logic controller. Design considerations and potential applications Temneanu, C; Donciu, C; (...); Ciobanu, R Schreiner, C IEEE International Conference on Computational Intelligence for Measurement Systems and Applications 2005 46. Breaking Nyquist criteria using alias frequencies interpretation Donciu, C; Temneanu, C and Ciobanu, R IEEE International Symposium on Virtual Environments, Human-Computer Interfaces and Measurement Systems (VECIMS 2005) 2005 47. Internal charge evolution under cyclic stress, determined for cable paper by use of PEA-method Ciobanu, R; Prisecaru, I and Schreiner, C9th International Conference on Optimization of Electrical and Electronic Equipment 2004 48. Space charge and field evolution of multilayer paper insulation for DC cables application, determined by use of PEA-method Prisecaru, I; Ciobanu, R and Aradoaei, S9th International Conference on Optimization of Electrical and Electronic Equipment 2004 49. Bio-materials from recycled PET and lignin derivates: Technological analysis via dielectric Spectroscopy Aradoaei, S;

	Trandabat, A; Ciobanu, R (...); Constantinescu, G 9th International Conference on Optimization of Electrical and Electronic Equipment 2004 50. Space charge evolution in thermally aged cellulose materials Ciobanu, R; Prisecaru, I and Schreiner, C 8th IEEE International Conference on Solid Dielectrics 2004 PROCEEDINGS OF THE 2004 IEEE INTERNATIONAL CONFERENCE ON SOLID DIELECTRICS, VOLS 1 AND 2 , pp.221-224 51. EA measurements upon cellulose materials submitted to gamma radiation Ciobanu, R; Prisecaru, I and Aradoaei, S 8th IEEE International Conference on Solid Dielectrics 2004 PROCEEDINGS OF THE 2004 IEEE INTERNATIONAL CONFERENCE ON SOLID DIELECTRICS, VOLS 1 AND 2 , pp.225-228 52. Technological analysis via dielectric spectroscopy of materials containing recycled PET and wood derivates Aradoaei, S; Ciobanu, R; (...); Constantinescu, G 8th IEEE International Conference on Solid Dielectrics 2004 PROCEEDINGS OF THE 2004 IEEE INTERNATIONAL CONFERENCE ON SOLID DIELECTRICS, VOLS 1 AND 2 , pp.462-465 53. Distributed measurement systems, internet and artificial intelligence: An integral part of the management and the industrial technology of the future Trandabat, A; Ciobanu, R and Pislaru, M 3rd International Conference on the Management of Technological Changes 2003 MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 1 , pp.153-157 54. Virtual instrumentation and virtual laboratories: The key for the continues personnel education and training Trandabat, A; Pislaru, M and Ciobanu, R 3rd International Conference on the Management of Technological Changes 2003 MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 1 , pp.159-163 55. Charge packet evolution in paper-oil insulation and derived technological considerations Ciobanu, RC; Pfeiffer, W and Schreiner, C 7th International Conference on Properties and Applications of Dielectric Materials 2003 PROCEEDINGS OF THE 7TH INTERNATIONAL CONFERENCE ON PROPERTIES AND APPLICATIONS OF DIELECTRIC MATERIALS, VOLS 1-3 , pp.695-698 56. Neuronal prediction system of meteorological parameters for quality assurance of the traffic Trandabat, A; Pislaru, M and Ciobanu, R International Symposium on Signals, Circuits and Systems 2003 SCS 2003: INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS, VOLS 1 AND 2, PROCEEDINGS, pp.549-552 57. Space charge evolution in oil-paper insulation for DC cables application Ciobanu, R; Schreiner, C; (...); Baraboi, B IEEE 14th International Conference on Dielectric Liquids (ICDL 2002) 2002 PROCEEDINGS OF THE 2002 IEEE 14TH INTERNATIONAL CONFERENCE ON DIELECTRIC LIQUIDS, pp.321-324 58. Analysis of internal charge evolution in paper insulation, via pea method Ciobanu, RC 8th International Conference on Dielectric Materials, Measurements and Applications 2000 EIGHTH INTERNATIONAL CONFERENCE ON DIELECTRIC MATERIALS, MEASUREMENTS AND APPLICATIONS (473) , pp.188-191 59. Behaviour of the multilayer structure of electrical paper under high frequency partial discharges Ciobanu, R and Pfeiffer, W 5th International Conference on Properties and Applications of Dielectric Materials 1997 PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON PROPERTIES AND APPLICATIONS OF DIELECTRIC MATERIALS, VOLS 1 AND 2 , pp.220-223 60. Schreiner C., Ciobanu, R, Pîslaru M.,(2014) ECOSYSTEM MODEL FOR ENVIRONMENTAL APPLICATIONS, International Conference on Environment, Biological and Ecological Sciences and Engineering, International Science Index, Vol:8, No.3, pg. 175-179, eISSN 2010-3778, pISSN 2010- 376x. BDI: International Science Index 61. Ciobanu, R., Schreiner C., Pislaru M., CONCEPT OF ECOSYSTEM MODEL FOR ENVIRONMENTAL SECURITY AND APPLICATION FOR SUSTAINABLE MANAGEMENT OF TOXIC POLLUTANTS IN CENTRAL ASIA,

	International Workshop, 17-19 March,2014 Almaty, Kazahstan, Proceedings NATO SfP-983931 Project, pg. 23-40. 62. M. Olariu, S. Hanganu, A. Trandabat, Ciobanu, R, ADVANCED CONCEPT OF HONEYCOMB STRUCTURES BASED ON CHIRAL NONCENTRESYMETRIC TOPOLOGIES, FOR EMC APPLICATIONS, Proceedings of the First Workshop of "Electrical Engineering Materials and Their Applications" Bucharest, September 21, 2005 pp 92-95 ISBN: 973-718-308-8 63. M. Olariu, M. Paslaru, A. Trandabat, Ciobanu, R, ETUDE DES CHARGES D' ESPACES DANS LES MATERIAUX POLYMERS Proceedings of the 5th International Conference on Electromechanical and Power Systems SIELMEN, October 6-8, Chisinau, Rep. Moldova, 2005, pp. 230-232 Book 1, ISBNGEN: 973-716-208-0 64. M. Olariu, M. Pislaru, A. Trandabat, Ciobanu, R, MESURES DES CHARGE D'ESPACES AVEC MOT ET CDST (Cts) Proceedings of the 5th International Conference on Electromechanical and Power Systems SIELMEN, October 6-8, Chisinau, Rep. Moldova, 2005, pp. 359–362 Book 1, ISBNGEN: 973-716-208-0 65. Ciobanu, R, Theoretical considerations of accelerate heating tests planning, based on the materials thermal accumulated dose", Int. Conf. on Applied and Theoretical Electrotechnics, ICATE'93, Craiova, Nov. 1993, S.A, pp.27-30 66. Ciobanu, R and T. Balan, "A method in reliability estimation of power capacitors working under periodical nonsinusoidal regime", 4-th Int. Conf. on Electric and Electronic Equipments-OPTIM'94, Brasov, 12-14 May 1994, pp.254-258 67. Ciobanu, R and T. Balan, "A new criterion in fibrous insulation coordination, taking into account its specific PD characteristics", Int. Conf. "Electrostatica'95", Cluj-Napoca, Romania, 22-23 Sept. 1995, pp.121-126 68. T. Balan, D. Balan and Ciobanu, R, Physical properties of Romania papers for electrical purposes, Simpozionul "75 ani de invatamint superior electrotehnic in Romania", Jassy, 1986, pp.57-62 69. T. Balan, D. Balan and Ciobanu, R, Dielectric properties of Romania papers for electrical purposes, Simpozionul "75 ani de invatamint superior electrotehnic in Romania", Jassy, 1986, pp.63- 70 70. Ciobanu, R, T. Balan and D. Balan, The most important technological stages in defining the dielectric profile of papers for electrical applications, Sesiunea jubiliara "175 ani de invatamint politehnic la Iasi", Vol.3, 1988, pp.178-12. 71. V. Catuneanu and Ciobanu, R, The endurance profile of electrical papers, Sesiunea jubiliara "175 ani de invatamint politehnic la Iasi", Vol.3, 1988, pp.151-158 72. V. Catuneanu and Ciobanu, R, The reliability estimation of electrical papers, containing mass additives, via thermal aging planning, Sesiunea jubiliara "175 ani de invatamint politehnic la Iasi", Vol.3, 1988, pp.171-177 73. V. Popa and Ciobanu, R, The analysis of technological quality of papers via accelerate aging proceedings, Sesiunea jubiliara "175 ani de invatamint politehnic la Iasi", Vol.10, 1988, pp.163-170 74. E. Poppel and Ciobanu, R, Paper technologies using mass additives - possibility of optimization, Sesiunea jubiliara "175 ani de invatamint politehnic la Iasi", Vol.10, 1988, pp.171-176 75. V. Catuneanu and Ciobanu, R, The influence of chemical properties of papers on their dielectric behavior, Simpozionul SACEF, Curtea de Arges, 1988, pp.27-32 76. I. Rusu, C. Munteanu and Ciobanu, R, The specific conditions of metal amorphization, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.IV, pp.382-386 77. C. Munteanu, Ciobanu, R and I. Rusu, The Ferromagnetic phenomena of (Fe,Co,Ni)-metalloid amorphous alloys, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.IV, pp.387-389 78. Ciobanu, R and C. Schreiner, Some applications of parametrical reliability in quality assessment of paper technology, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.IV, pp.410-414

79. Ciobanu, R, T. Balan and C. Munteanu, Some possibilities in dielectric paper obtaining, by using anionic bivalent systems - SO42- demineralization proceedings, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.IV, pp.420-423

80. G. Calugaru, C. Munteanu and Ciobanu, R, Production line of amorphous magnetic ribbons, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.III, pp.214-217

81. C. Munteanu, Ciobanu, R and I. Rusu, The metalloid influence on critical thickness of amorphous alloys, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.I, pp.80-83

82. T. Balan and Ciobanu, R, "The insulation reliability of micromotors working under variable charge conditions“, Simpozionul COMEP, Pitesti, May 1992, pp.15-19

83. Ciobanu, R, "Method of parametrical reliability estimation, regarding the H-thermal class micromotors“, Simpozionul COMEP, Pitesti, May 1992, pp.11-14

84. T. Balan, C. Schreiner and Ciobanu, R, "Application of parametrical reliability in electrical measurements“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S2, pp.105-18

85. V. Catuneanu and Ciobanu, R, "Parametrical reliability of electrical papers and specific tests“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S4, pp.359-362

86. Ciobanu, R and E. Poppel, „Aspects of support papers consolidation for insulating composite purposes“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S4, pp.363-366

87. Ciobanu, R and D. Ciobanu, „IR. analysis of miscellanies distruction phenomena in papers for electrical purposes“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S4, pp.367-370

88. Ciobanu, R and T. Balan, "Some possibility of demineralization by using bisulphitical waste waters“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S4, pp.385-388

89. T. Balan, D. Balan and Ciobanu, R, "Some observations concerning the opportunity of restrictions imposed by PE-143/1980, related to the real in service behavior of force capacitors, working under periodical nonsinusoidal electric field“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S4, pp.425-431

90. Ciobanu, R and C. Schreiner, "Thermal accumulated dose and reliability estimation of fibrous and composite materials", Simpozionul Electrotehnica-80, Jassy, 1992, pp.405-410

91. Ciobanu, R, "New composite materials for micromotors“, Simpozionul COMEP, Pitesti, May 1993, pp.106-109

92. C. Schreiner and Ciobanu, R, "Special induction linear motors“, Simpozionul COMEP, Pitesti, May 1993, pp.82-85

93. C. Schreiner and Ciobanu, R, "The calculus of an anisotropical armature for special linear induction motors“, Simpozionul COMEP, Pitesti, May 1993, pp.85-88

94. Ciobanu, R and T. Balan, "Some aspects regarding fungus action on electrical papers", Simpozionul Universitatii Bacau, Nov. 1993, S.IV, pp.78-81

95. Ciobanu, R and D. Ciobanu, "Some problems in optimal appointing of adequate technology of capacitor papers", Simpozionul Universitatii Bacau, Nov. 1993, S.V, pp.51-53

96. R. Caliman, L. Gavrila and Ciobanu, R, "Researches concerning the heat transfer in synthetic papers drying", Simpozionul Universitatii Bacau, S.V, pp.102-106

97. Ciobanu, R, C. Schreiner, D. Socotar, G. Mardarasievici, Influence of Inductive Effects upon Space Charge Occurrence, with Application in the Field of Failure Diagnosis of Electrical Machines, 10th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 2006, vol. 1, pp. 231-238, ISBN: 973-635-702-3 / 978-973-635-702-2

98. Ciobanu, R, C. Schreiner, C. Donciu, M. Branzila, PROTOTIPE ARCHITECTURE FOR A REMOTE AND DISTRIBUTED MEASUREMENTS LABORATORY, FOR HIGHER EDUCATION PURPOSES, International Conference on Distance Education, 2006, Muscat, Oman, pp. 215-220 104.

99. Ciobanu, R and Balan, T., 1995, "A NEW CRITERION IN FIBROUS INSULATION COORDINATION, TAKING INTO ACCOUNT ITS SPECIFIC PD CHARACTERISTICS", Int. Conf. "Electrostatica'95", Cluj-Napoca, Romania, 22-23 Sept. 1995, 121-126

100. Ciobanu, R. and Pfeiffer, W., 1996, "The influence of electrical papers technology on their partial discharge electric field", The 7th Int. Conf. on Dielectric Materials Measurement and Applications, Bath, UK, 23-26 Sept. 1996, 342-345

101. Ciobanu, R. and Pfeiffer, W., 1997, "Behavior of the multilayer structure of electrical (capacitor) paper under high frequency partial discharges", ICPADM - May 1997, Seoul, Korea, 187-191 43.Ciobanu, R., W. Pfeiffer and S. Andrei, "Influence of some physical properties of fibrous materials on their PD characteristics“, The 6th. International Conference on Dielectrics and Insulation, Budapest-Hungary, Sept. 1997, 214-217

102. Ciobanu, R, Pfeiffer, W., and Andrei, S., "Characterization of cellulose composite materials via broadband partial discharges measurement", The 7th International Conference on Electrostatics, Poitiers-France, 4-6 June, 1997 and Elsevier, ISBN 2-9505432-1-9, 52-57

103. Ciobanu, R, Pfeiffer, W. and Stefan, A., "Computerised system for PD phenomena evaluation and PD quantities measurement", IMEKO TC-4 Symposium on Development in Digital Measuring Instrumentation and 3rd Workshop on ADC Modelling and Testing, Naples, Italy, September 17-18, 1998, 328-332

104. Schreiner, C. and Ciobanu, R., "Expert system for quality evaluation - according to ISO 9000 requirements - dedicated to small and medium enterprises", Second International Conf. on Electromechanical Systems - SIELMEC'99, Chisinev Rep. Moldavia, Oct. 8-9, 1999, 221-225 47.Ciobanu, R, G.C. Montanari and Pfeiffer, W., "Internal charge evolution of cable paper, via pulsed electroacoustic method", Int.Conf. OPTIM-2000, Brasov, Romania, 10-12 May 2000, 167-170 48.Ciobanu, R., 2000, "Analysis of internal charge evolution in paper insulation, via PEA method", Int.Conf. DMMA, Edinburgh, UK, 21-23 Sept. 2000, 188-191

105. Ciobanu, R., Schreiner, C. and Hutu, A.C., 2000, "Some managerial and ethical aspects of TQM- systems implementation in SMEs", Workshop "New Europe College", Iasi, Romania, Nov. 2000, 48- 55

106. Ciobanu, R., G. C. Montanari and Pfeiffer, W., 2001, "Effect of mineral content on space charge evolution in papers for cable application", ICSD in Eindhoven, Netherlands, June 2001

107. Ciobanu, R, G. C. Montanari and Schreiner, C., "Evaluation of cable paper performance, based on space charge measurement", I-CSC-4 in Tours, France, July 2001

108. Ciobanu, R, Schreiner, and Postolache, O., "Space charge phenomena interpretation towards accounting for materials structure, or quality of the applied technology", IMEKO in Lisbon, Portugal, Sept. 13-14, 2001

109. Ciobanu, R, Schreiner, and Baraboi, A., "Applications of PEA method in quality assessment of dielectric materials", Scientific Workshops “Materials for Electrical Engineering”- MmdE’01, Bucharest, Romania, May 21-23, 2001

110. Schreiner, C., Baraboi, B. and Ciobanu, R., "Test bench for linear manipulators using virtual instrumentation", Int. Conf. ELECTROMOTION'01 in Bologna, Italy, June 19-20, 2001

111. I. Prisecaru, C. Schreiner, Ciobanu, R, ABOUT THE ESTIMATION OF CHARGE ACCUMULATION THRESHOLD VIA CHARGE CURRENT MEASUREMENTSS, AND THE CORRESPONDENCE WITH THE VALUES DERIVED FROM PEA METHOD - WITH APPLICATION AT CABLE PAPER, Int.Conf.“Materials for Electrical

	Engineering"- MmdE'04, mai 2004, Bucuresti, Romania 112. Ciobanu, R, M. Temneanu, I. Prisecaru, S. Aradoaei, "THE INFLUENCE OF CHEMICAL COMPOSITION UPON INTERNAL CHARGE DYNAMIC OF CELLULOSE MATERIALS FOR DC CABLES APPLICATION, EVALUATED BY USE OF PEA-METHOD", MMDE 4-th International Workshop, 2004 Bucuresti, Romania, pag. 222-227 113. S. Aradoaei, Al. Trandabat, Ciobanu, R, G. Constantinescu, "Bio-Materials Obtained by Recycled PET and Wood Powder with Different Mass Additives – Technological Analysis via Dielectric Spectroscopy", 4th International Conference on Materials For Electrotechnics, 2004, Bucuresti, Romania, pag. 281-284 114. Ciobanu, R, C. Schreiner, I. Prisecaru, "Parameters associated with charge evolution under cyclic stress, determined for cable paper by use of PEA-Method", 5th Int. Conf. On Electric Charges – CSC Nov-04, Sfax, Tunisia 115. G. Constantinescu, S. Aradoaei, Ciobanu, R, "Advanced compounds based on recycled plastic and wood derivates, for multi-sectorial appliances - II – Mechanical endurance and envisaged appliances 1st Workshop of Electrical Engineering Materials and Their Applications", 2005, Bucuresti, Romania, pag. 175-178 116. Ciobanu, R, M. Temneanu, Some aspects concerning the co-ordination of electrical paper insulation, Premier atelier scientifique Franco-Canadiano-Roumain "Materiaux pour l`Electrotechnique", iunie 2005, Bucuresti, Romania, pg 249-252 117. Ciobanu, R, M. Temneanu, The thermal endurance profile of electroinsulating materials, based on thermogravimetrical tests, Int.Conf.ICATE'93, iunie 2005, Craiova, Romania, S.A, 31-36 118. S. Aradoaei, M. Olariu, Ciobanu, R, G. Constantinescu, Sustainable Development in Materials Recycling by Advanced PE/PET – Wood Sawdust Compounds, 4th Internationals Conference on the Management of Technological Changes, iunie 2005, Chania, Grecia, pg 293-29 119. Ciobanu, R, C. Schreiner, C. Donciu, M.C. Brînzilă, "Prototype architecture for a remote and distributed measurements laboratory, for higher education purposes", Proceedings of International Conference on Distance Education ICODE 2006, Mar-06, Muscat, Sultanate of Oman, pag. 173-185 64.V, David, Ciobanu, R, M. Cretu A sensor for low frequency electric and magnetic fields measurement, International Symposium on Electromagnetic Compatibility „EMC EUROPE"2006, Barcelona, pg768-772 120. Ciobanu, R, C. Schreiner, M. Temneanu, "Upon the Difference Between the Evolution Versus Frequency of PD and Breakdown Processes, Related to Paper for DC Cables Insulation", XVIII IMEKO World Congress, 2006 , Rio de Janeiro, Brazilia, CD Proceedings 66. Ciobanu, R s.a., INDUCED ENVIRONMENTAL IMPACT OF COMBINED PLASTIC AND PAPER WASTES BEFORE AND AFTER VALORIZATION, INTERNATIONAL SYMPOSIUM "THE ENVIRONMENT AND THE INDUSTRY", SIMI 2019, pg. 54 121. M. Temneanu, Ciobanu, R, C. Fosalău, M. Creţu, "Magnetic Amorphous Nano-Structured Wires Characterisation Using Impedance Spectroscopy", XVIII IMEKO World Congress, 2006 Rio de Janeiro, Brazilia, CD Proceedings 122. Ciobanu, R, M. C. Brînzilă, C.Schreiner, "A prototype of web-e-nose device to be used in medicine fields", Proceedings of First International Conference on E-Medicine EICEM 1, Mar-07, Cairo,Egipt, pag.135-140 123. C. Schreiner, M. C. Brînzilă, Ciobanu, R, "Prototype architecture for a remote and distributed laboratory, for higher education purpose in medicine fields", Proceedings of First International Conference on E-Medicine EICEM 1, Mar-07, Ciro, Egipt, pag. 225-228 124. Ciobanu, R; Schreiner, C; Temneanu, M., Broadband Partial Discharges Technique and Application in the field

	of cable paper insulation PROCEEDINGS OF 2008 INTERNATIONAL CONFERENCE ON CONDITION MONITORING AND DIAGNOSIS1191-1194 2007, Beijing, PEOPLES R CHINA, APR 21-24, 2008 125. V. David, I. Nica, Ciobanu, R, R. Damian, Shields for Special Buildings Based on Chiral- Honeycomb Structures, EUROEM2008, 21-25 July 2008, Lausanne, Switzerland 126. David V., Nica I., Ciobanu, R, Salceanu A., The numerical simulations of the electromagnetic shield based on chiral honeycomb slab. 16th IMEKO TC4 Symposium Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, septembrie 22-24 2008, 6 pagini 127. Ciobanu, R, C. Schreiner, W. Pfeiffer, Partial discharge tests with pattern recognition, in support of electrical insulation quality, Advances in electrical and computer engineering, 2001, 1 (8), No.2, Ed. Univ. Suceava, România ISSN 1582-7445, 19-25 128. C. I. Brinzila, M.J. Pacheco, L Ciríaco, Ciobanu, R, A Lopes, Electrodegradation of tetracycline on BDD anode, Chemical engineering journal, Volume 209, Pages 54-61, Elsevier 129. V, David, Ciobanu, R, A. Salceanu, The measurement of residential magnetic fields, International Symposium on Electromagnetic Compatibility „EMC EUROPE"2006, Barcelona, pg 762-767 76.Ciobanu, R, T.Balan, M.Temneanu, A METHOD IN RELIABILITY ESTIMATION OF POWER CAPACITORS WORKING IN PERIODICAL NONSINUSOIDAL REGIME, Optim International Conference Proceedings, iunie 2005, Brasov, Romania, vol.I, 129-135 130. T.Balan, D.Balan, Ciobanu, R, POLAR DIELECTRIC CAPACITORS WORKING IN PERIODIC NON-SINUSOIDAL STEADY STATE, International Conference on Dielectrics and Insulations, iunie 2005, Budapest. 131. Ciobanu, R, C. Schreiner, Fibrous electro-insulating materials reliability, Eur.Conf on Materials - Junior Euromat, august 1998, Lausanne, Elvetia, pg 52-54 132. C. Schreiner, Ciobanu, R, Acţionarea speciala a motoarelor liniare de putere, Simpozionul COMEP, mai 1993, Pitesti, Romania, pg 82-85 133. C. Schreiner, Ciobanu, R, Calculul indusului anizotrop pentru oscilatoare cu motor liniar, Simpozionul COMEP, mai 1993, Pitesti, Romania, pg 86-89 134. T.Balan, C.Schreiner, Ciobanu, R, Aplicarea fiabilităţii parametrice în măsurările electrice, Simpozionul jubiliar al Fac.Electrotehnica, octombrie 1992, Iasi, Romania, pg 105-108 135. Ciobanu, R; Schreiner, C, Estimarea neparametrică a fiabilităţii electroizolanţilor, Simpozionul jubiliar al Fac. Electrotehnica, oct.92, Iasi, Romania, pg 411-416 136. Ciobanu, R; Schreiner, C, Thermal acumulated dose and reliability estimation of fibrous and composite materials, Simpozionul jubiliar al Fac. Electrotehnica, oct. 92, Iasi, Romania, pg 405-410 84.Ciobanu, R et. al., "Probabilistic Analysis of Sky Clearness Index for Solar Energy Systems Planning", DOI: 10.1109/SCSP.2018.8402677, 2018 SMART CITY SYMPOSIUM PRAGUE (SCSP), ISBN: 978-1-5386-5017-2 137. Ciobanu, R et. al., "Development of a wireless glove based on RFID Sensor", DOI: 10.1109/ ICATE. 2018.8551392, 2018 International Conference on Applied and Theoretical Electricity (ICATE), 2018 138. Ciobanu, R et. al., "Polyoxidic thick films for piezoelectric energy harvesters", 2-s2.0- 85046473094, Proc. of 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, 2017, 978-1-5108-4976-1 87.Ciobanu, R et. al., "Size- and shape-controlled synthesis of ferroelectric plate-like particles and their piezoelectric characteristics", 2-s2.0-85046659234, Proc. of 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, 978-1-5108-4976-1, 2017

	139. Ciobanu, R et. al., "Modeling the properties of bio-composites obtained from plastic and wood waste for building applications", 2-s2.0-85046411140, Proc. of 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, 978-1-5108-4976-1, 2017
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Compoziţie pe bază de polimeri sintetici şi naturali şi procedeu de obţinere a acesteia, Ciobanu R.C., Constantinescu G.C., Salceanu A., 2014, Brevet RO 125161 2. Cupla sferica, Stan Ghe., Ciobanu R. Brevet RO 129345 / 2015 3. Robot de jucat şah, Stan Ghe., Pal A., Nedeff V., Ciobanu R., Ungureanu V., Topliceanu L., Livinţi P., Schnakovszky C., Brevet RO 125583 / 2012 4. Robot sentinela, Stan Ghe., Ciobanu R., Pal A., Brevet RO 122896 / 2010 5. Mecanism poliarticulat, Stan Ghe., Ciobanu R., Pal A., Brevet RO 122904 / 2010 6. Paper for telephone cables, and technology, Ciobanu R., s.a, Brevet RO-998919 7. Kraft pulp for electrical purposes, and technology, Ciobanu R., s.a, Brevet RO-999569 8. Technical support paper for electrical insulations, and technology, Ciobanu R., s.a, Brevet RO- 998921 9. Hydroresistant paper for electrical purposes, and technology, Ciobanu R., s.a, Brevet RO- 9102491 10. Electrotechnical special pulp, and technology, Ciobanu R., s.a, Brevet RO- 998387 11. Electrotehnical paper and technology, Ciobanu R., s.a, Brevet RO- 9101070 12. Capacitor (filling) support paper and technology, Ciobanu R., s.a, Brevet RO- 9101069 13. Cyanoethylcellulose and pulp for electrical purposes, and technology, Ciobanu R., s.a, Brevet RO- 9102449 14. Selective demineralization stage for technical pulps, Ciobanu R., s.a, Brevet RO- 9102290 15. Technology for fiber floating and recovering in paper industry, Ciobanu R., Brevet RO- 99135955 16. Technology for special telephone cable paper, Ciobanu R., s.a, Brevet RO- 9101806 17. Waste water recovering technology, using hydroxyethylcellulose, Ciobanu R., s.a, Brevet RO- 9102017 18. Technology for silicon support paper, Ciobanu R., s.a, Brevet RO 998386 19. Technology for telephone cable paper, Ciobanu R., s.a, Brevet RO 998920 20. Test device for estimating the rheological parameters of paper types, Ciobanu R., s.a, Brevet RO 9144139 21. Chemical technology/ Bisulphyte demineralisation, Ciobanu R., s.a, Brevet RO 955159 22. Chemical technology/ Bisulphyte demineralisation, Ciobanu R., s.a, Brevet RO 955186 23. Chemical technology/ Bisulphyte demineralisation, Ciobanu R., s.a, Brevet RO 956418 24. Dispozitiv medical pentru cresterea rezolutiei imaginilor MRI, Ciobanu R., s.a, Brevet RO 137968 A2 25. Material compozit polimeric cu proprietati electromagnetice, Ciobanu R., s.a, Brevet RO 138028 A2
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director al proiectului CEEX M3 / CNMP / 173/, Dezvoltatea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparativeneinvazive si nedistructive de analiza a calitatii si sigurantei alimentelor, 2006-2008 2. Director al proiectului 'Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions', DaWetRest, Contract nr. 101113015/2023, din cadrul HorizonEurope, finanţat prin CE HORIZON Action Grant Budget-Based, (Buget total - 88062,5 euro)

	3. Director al proiectului PN2 Parteneriate / CNMP/51-015/14.09.2007, Metodologie dielectrica nedistructiva, neinvaziva, comparativa de detectare rapida a ingredientilor cu potential factor de risc pentru sanatate din produsele alimentare, 2007-2009 4. Director al proiectului PN2 Idei / CNCSIS/320/2007/Spectroscopia dielectrica de banda larga, ca metoda comparativa, nedistructiva si neinvaziva de determinare a compusilor cu potential de risc din produsele alimentare, 2007-2009 5. Director al proiectului 'Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane' (MINaFBioS), PN III - ERANET, MANUNET-III, Contract nr. 149/2020, 6. Director al proiectului 'Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor' (INTREPIDUS), PN III ERANET-EURONANOMED, Contract nr. 193/2020, 7. Membru în echipa de implementare a proiectului 'Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi', (CARBIOSENSE), Programul MANUNET ERANET, Contract nr. 7-038/13.05.2011, 8. Director al proiectului CEEX M2PD/ CNCSIS/ 1527/2006, Masurari dielectrice avansate dedicate domeniului bio si nano compozitelor, 2006-2008 9. Director al proiectului CORINT / CNMP / 115/2006/, Materiale inteligente tip Chiral-Fagure pentru aplicatii multisectoriale (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii special), 2006-2007 10. Director al proiectului Grant A /CNCSIS / 489/, Metode avansate de proiectare si testare a sistemelor de izolatie destinate functionarii in conditii extreme si tolerante la defectare, 2004-2006 11. Director al proiectului Grant E /CNCSIS / 82/, Metoda avansata de analiza a calitatii si de optimizare a structurii si tehnologiei bio si nano-compozitelor, pe baza spectroscopiei dielectrice corelata cu teoria elementului finit, 2004-2006 12. Director al proiectului GrantA /CNCSIS / 230/, Estimarea fiabilitatii sistemelor de izolatie utilizand analiza fenomenului de descarcari partiale in banda larga de frecventa si aplicatii in electroenergetica, 2002-2004 13. Director al proiectului 9. CEEX M1/ MATNANTECH, 79/, Biocompozite obtinute prin reciclarea deseurilor de PET si utilizarea de derivaţi ligno-celulozici, 2006-2008 14. Director al proiectului 10. CEEX M3/CNMP/BCN-NET/ Dezvoltarea capacitatii de integrare a romaniei in cadrul programelor, platformelor si retelelor europene in domeniul obtinerii de biocompozite cu aplicatii multisecoriale, 2006-2008 15. Director al proiectului Bilateral RO – Korea, nr. 64CB/2008: Filme ceramice subtiri nanoporoase din cristale zeolitice pe baza de siliciu pentru materiale cu constanta dielectrica redusa, 2008 – 2009 16. Director al proiectului Bilateral RO – Turcia, nr. 63CB/2008: Ecrane si panouri absorbante pentru utilizari speciale bazate pe compozite nano-structurale cu arhitectura predefinita si proprietati dielectrice si electromagnetice personalizate, 2008 – 2009 17. Director al proiectului Bilateral RO – Slovacia, nr. 655/2013: Materiale compozite inovative pentru ecranare electromagnetică, bazate pe pulberi nano-conductive obținute din recilarea WEEE (deșeuri din echipamente electrice și electronice), 2013-2014 18. Director al proiectului Leonardo - cu Istituto Tecnico Industriale Statale “Vittorio Emanuele III”, Palermo, Italia / Quality management of measurements laboratories in industry and services, 2001- 2002 19. Director al proiectului NATO SfP 983931 / SUSCAREM / SUStainable management of toxic pollutants in Central Asia: towards a Regional Ecosystem Model for environmental security, 2011- 2013 20. Director al proiectului Grant Nato CLG 980057/ PST / Multifactor accelerated aging of electrical insulation under

	conflict conditions and remedial actions, 2004-2005 21. Director al proiectului ERA-NET - Cofund Smart Cities and Communities - SMART URBAN ISLE - "Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city", 2016-2018 22. Director al proiectului Grant NMP-STREP/FP6/ nr. 013641/ CHISMACOMB – Smart chiral Honeycomb materials, 2005-2007 23. Director al proiectului A.v. Humboldt – Institutspartnershaft: VIRTUAL-SYDECOM DISTRIBUTED INTERNET- BASED ADVANCED METHODS IN SUPPORT OF SYSTEMS DESIGN, CONTROL AND MANAGEMENT IN ENGINEERING PRACTICE, 2007-2009 24. Director al proiectului ERA-NET MNT/7-014/2008/NACOPAN/Nanocompozite polimerice conductive cu structura predefinita si proprietati dielectrice si EMC dedicate ecranarii si realizarii de panouri absorbante pentru cladiri speciale, 2006-2008 25. Director al proiectului EuroNanoMed, nr. 4-002/2012: Terapie hipertermo-chemoterapica combinata pentru controlul tumorilor hepatice, bazata pe activarea cu microunde a unor nanostructuri functionalizate imobilizate subendotelial, 2012-2014 26. Director al proiectului ERANET, COFUND-MANUNET, nr. 22/2018, Sistem de sortare a deșeurilor de constructii si demolari (DCD) bazat pe robotică avansată STEWART, 2018-2020 27. Director al proiectului HarvEnPiez, 50/2016, Innovative nano-materials and architectures for integrated piezoelectric energy harvesting applications, 2016-2019 28. Membru în echipa de implementare a proiectului 'Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice', Programul Operaţional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei 29. Membru în echipa de implementare a proiectului proiect 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei 30. Director al proiectului 'Sisteme software cu arhitecturi versatile de management al energiei și de optimizare a indicatorilor de performanță energetică a clădirilor inteligente, dezvoltate în cadrul clusterului euronest IT&C HUB', Programul Operaţional Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei, 31. Director al proiectului 'Mitigarea riscului pentru sănătatea publică privind contaminanții biochimici ai ambalajelor farmaceutice și alimentare reciclate printr-o nouă metodologie bazată pe analiza spectrală în domeniul THz (THzPET)', PN-III-P2-2.1-657PED/2020, durată 18 luni, buget 250.000 lei 32. Director al proiectului 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 636/16.03.2020, My SMIS 105725, durată 15 luni, buget 630.199 lei 33. Director al proiectului 'Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală', Programul Operaţional Competitivitate, Contract subsidiar nr. 8733/05.12.2019 - 659/06.12.2019, My SMIS 105689, durată 32 luni, buget 900.000 lei, 34. Director al proiectului 'Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili', 4DPrintEN, Proiect cod COFUND - ERANET MANUNET III, Contract de finantare nr. 96/01.06.2019, durată 24 luni, buget 468.100 lei, 35. Director al proiectului . Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie, Programul

	Operaţional Competitivitate, Contract subsidiar nr. 370/20.02.2019, My SMIS 105726, durată 24 luni, buget 880.000 lei 36. Director al proiectului Reciclarea avansata integrata a deseurilor combinate inseparabile de mase plastice si hartie, nereciclabile prin tehnologiile actuale, Programul Operaţional Competitivitate, Contract subsidiar nr. 366/11.09.2017 - 15351/13.09.2017, My SMIS 105581, durată 24 luni, buget 900.000 lei 37. Membru în echipa de implementare a proiectului 'Cercetare-dezvoltare de materiale compozite inovative nanostructurate, activabile in camp de radiofrecventa si de microunde, pentru tehnologii reversibile de asamblare cu aplicatii intersectoriale', Programul Operaţional Competitivitate, Contract nr. 119/16.09.2016, ID P_37_757, My SMIS 104089, durată 48 luni, buget 11.140.371 lei, 38. Director al proiectului Realizarea inovativă de produse compozite termoplastice cu proprietăţi superioare de ecranare electromagnetică prin reciclarea integrată a deşeurilor electronice, (RECEMAT), Programul Operaţional Sectorial Creşterea Competitivităţii Economice, Axa Prioritară 2 – Competitivitate prin CDI, Contract nr. 460/03.04.2013, ID 1372/SMIS 41074, durată 26 luni, buget 3.498.500 lei, 39. Membru în echipa de implementare proiect 'Dezvoltarea de materiale compozite ceramice geopolimerice, din deseuri industriale, cu proprietati superioare de ecranare electromagnetica si termica, pentru constructii speciale', Programul EUREKA-EUROSTARS- NEWCOMAT, Contract 316E/15.05.2012, durată 19 luni, buget 367.710 lei, 40. Director al proiectului FEVAL, 308E/19-08.2011– "Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „green building concept”- finanţat prin Programul EUREKA (Buget total - 390.074 lei)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Donciu Codrin **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)** 1. Branzila M, Donciu C., Advances in Biomedical Sensing, Measurements, Instrumentation and Systems, Chapter: Distributed System Architecture Using a Prototype Web E-Nose, Springer Berlin Heidelberg, pp. 1-15, 2010, ISBN 978-3-642-05166-1 2. Ardeleanu A.S., Donciu C., Amprenta consumatorilor electrici, Edtura PIM, 2014, ISBN 978- 606-13-1699-1, 244 pag 3. Donciu C., Sisteme video, Editura PIM, 2014, ISBN: 978-606-13-1700-4, 115 pag 4. Donciu C., Măsurări în domeniul discret al semnalelor, Casa de Editură Venus, Iaşi, 2006, ISBN:973-756-034-5, 145 pag 5. Donciu C., Fosalau C., Temneanu M., Tehnici de teletransmisie a datelor în învăţământul tehnic la distanţă, Casa de Editură Venus, Iaşi, 2006, ISBN: 973-756-009-4, 158 pag 6. Donciu C., Lunca E., Cretu M., Sisteme moderne de măsurare. Măsurări distribuite, Editura Politehnium Iaşi, 2005, ISBN: 973-621-105-3, 121 pag 7. Donciu C., Baraboi B., Sisteme expert de asigurare a calităţii totale în industria de materiale şi echipamente electrotehnice, capitolul: Metode de interpretare a informaţiilor provenite din zona de alias şi Tehnici de inteligenţă artificială în analiza gazelor, Editura Gh. Asachi Iaşi, 2002, ISBN 973- 8292-29-8 8. Donciu C., Tendinţe novatoare în instrumentaţie şi măsurări electronice, capitolul: Metode extreme de interpretare a

	frecvenţei semnalelor în instrumentaţia virtuală, Editura Sedcom Libris Iaşi, 2001, ISBN 973-8028-76-0
	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	1. Sălceanu M., Donciu C., Vataman R., Use of radiodensitometry in objective assessment of periapical healing processes, Acta electrotehnica, vol. 50, no. 1, pp. 63-66, 2009; 2. Donciu C., Samoilă A., Informatic system of interactive training for virtual laboratory typeapplications (I). L3- The Configuration of an Acquisition Instrument, Acta Electrotehnica, vol. 49, no. 1, pp. 73 -76, 2008; 3. Donciu C., Samoilă A., Informatic system of interactive training for virtual laboratory type applications (I). L4 - CSPI commands communication, Acta Electrotehnica, vol. 49, no. 1, pp. 77- 80, 2008; 4. Foşalău C., Donciu C., Samoilă A., Virtual Instrumentation-an Easy Solution for Industrial Video Inspection, Acta Electrotehnica, vol. 48, no. 2, pp. 144-150, 2007; 5. Donciu C., Costea O., Prototype architecture for automatic control of green house crops irrigation, Acta Electrotehnica, vol. 48, no. 2, pp. 139-144, 2007; 6. Donciu C., Dosoftei C., Informatic system of interactive training for virtual laboratory type applications (I), Acta Electrotehnica, vol. 48, no. 2, pp. 133-139, 2007; 7. Temneanu C., Donciu C., Dosoftei C., Costea O., Informatic system of interactive training for virtual laboratory type applications (I). L5-Common Gate Interface (CGI) in Labview environment, Acta Electrotehnica, vol. 49, no. 2, pp. 222-227, 2008; 8. Temneanu M., Donciu C., Dosoftei C., Informatic system of interactive training for virtual laboratory type applications(I), L2- Ferrite magnetic characterization, Acta Electrotehnica, vol. 48, no. 3, pp. 218-222, 2007; 9. Donciu C., Costea O., Informatic system of interactive training for virtual laboratory type applications (I), L1- The study of temperature transducers using the FieldPoint Module, Acta Electrotehnica, vol. 48, no. 3, pp. 213-217, 2007; 10. Luncă E., Donciu C., Sălceanu A., David V., Sistem virtual de monitorizare a câmpului electromagnetic, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 21-24, 2005; 11. Luncă E., Donciu C., Brînzilă M., Sălceanu A., Aplicaţii server-client în LabVIEW (II). DataSocket şi VI Server, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 27-32, 2005; 12. Donciu C., Luncă E., Brînzilă M., Creţu M., Utilizarea plăcii de sunet în măsurări de impedanţă în joasă frecvenţă, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 33-34, 2005; 13. Donciu C., Brînzilă M., Luncă E., Creţu M., Utilizarea senzorului de temperatură şi umiditate relativă SHT11 în realizarea aplicaţiilor de tip laborator virtual, Revista de Instrumentaţie Virtuală, nr. 2 (26), pp. 35-37, 2005; 14. Donciu C., Luncă E., Brînzilă M., Creţu M., Metode de determinare a defazajului în domeniul discret al semnalelor, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 9-12, 2005; 15. Luncă E., Donciu C., Creţu M., Aplicaţii server-client în LabVIEW (I). Comunicaţia TCP-IP şi Remote Device Access, Revista de Instrumentaţie Virtuală, nr. 1 (25), pp. 3-8, 2005; 16. Branzila M., Cretu M., Pereira M.D., Donciu C., System for Environmental Monitoring Using a Data Acquisition Board By Parallel Port, 3-rd International Conference On Electrical and Power Engineering (EPE 2004), Buletinul IPI, Tomul L(LIV), Fasc. 5, pp. 737-742, 2004; 17. Temneanu M., Zet C., Fosalau C., Donciu C., Sample Auto-ranging Data Acquisition Using Low Level Peogramming Techniques, 3-rd International Conference On Electrical and Power Engineering (EPE 2004), Buletinul IPI, Tomul L(LIV), Fasc. 5, pp. 906-909, 2004;

	18. Cretu E., Lunca E., Donciu C., Higrometru virtual, Revista de Instrumentatie Virtuala RIV, anul 5, vol. 5, nr. 3 (19), pp 88-90, 2003. 19. Lunca E., Donciu C., Cretu E., Comunicarea de tip audio-video în instrumentatia virtuala, utilizand protocolul TCP/IP, Revista de Instrumentatie Virtuala RIV, anul 5, vol. 5, nr. 2 (18), pp. 51- 53, 2003; 20. Donciu C., Trandabăţ A., Creţu M., Servere TCP-IP destinate teletransmisiilor de date in labView, Revista de Instrumentaţie Virtuală, anul 5, vol. 5, nr. 3 (18), pp. 83-86, 2002; 21. Trandabăţ A., Donciu C., Ciobanu R., Laboratorul virtual si instrumentatia virtuala un raspuns pentru necesitatile viitoare ale invatamantului si industriei, Revista de Instrumentaţie Virtuală, anul 5, vol. 5, nr. 2(18), pp. 47-50, 2003; 22. Donciu C., Baraboi B., Cretu M., Fosalau C., Determinarea periodicitatii semnalelor complexe, Revista de instrumentaţie virtuală, nr.1, pp. 5-6, 2001; 23. Donciu C., Cretu M., Baraboi B., Fosalau C., Analiza semnalelor esantionate cu frecvente sub limita Shannon, Revista de instrumentaţie virtuală, nr.1, pp.7-8, 2001; 24. Donciu C., Cretu M., Fosalau C., Verificarea respectarii teoremei lui Shannon in cazul achizitionarii unor semnale necunoscute, Revista de instrumentaţie virtuală, nr.2, pp. 39-41, 2001; 25. Donciu C., Fosalau C., Cretu M., Modul de transfer bidirectional al datelor la distanta, Revista de instrumentaţie virtuală, vol. 4, nr. 3, pp. 68–70, 2001; 26. Baraboi B., Cretu M., Fosalau C., Donciu C., LabVIEW in analiza gazelor, Revista de instrumentaţie virtuală, nr.4, pp. 101-105, 2000; 27. Donciu C., Cretu M., Fosalau C., Baraboi B., Placa de sunet in achizitia, prelucrarea si generarea semnalelor, Revista de instrumentaţie virtuală, nr.4, pp. 99-100, 2000; 28. Postolache O., Donciu C., Girao P.S., Pereira M.D., A Practical Approach Concerning the Implementation in CO and Temperature Monitoring, ETc 2000, Buletinul Stiinţific al Universităţii Politehnica din Timisoara Romania, pp. 97-100, 2000; 29. Postolache O., Girao P.S., Donciu C., Pereira M.D., A Laser Based Solution for Displacement Mesurement, ETc 2000, Buletinul Stiinţific al Universităţii Politehnica din Timisoara, pp. 101-104, 2000;
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Carpus E., Scarlat R., Bonfert D., Ene A., Mihai C., Visileanu E., Donciu C., Popa A., Enache G., Investigation of two-layer knitted structures with conductive fibres content, Industria Textila, vol. 65, issue 3, pp. 145-152, 2014; 2. Donciu C., Video Assisting System for Garment Manufacturing Technological Flow, Fibres & Textiles in Eastern Europe, vol. 21, issue 5, pp. 135-140 SEP-OCT 2013; 3. Donciu C., Temneanu M., Integrated visual-smart inspection system for the textile fabrics developed by image virtual processing methods, Industria Textila, vol. 60, issue 3, pp. 134-145, 2009; 4. Donciu C., Temneanu M., Algorithm for video-intelligent inspection of the textile materials imprint with repetitive pattern, Industria Textila, vol. 60, issue 6, pp. 326-333, 2009; 5. Donciu C., Temneanu M., E-Learning System for Students on Electrical Engineering, International Review of Electrical Engineering-IREE, vol. 3, issue 6, pp. 1087-1096, 2008; 6. Branzila M., Alexandru C., Donciu C; Trandabat A., Schreiner C., Virtual environmental measurement center based on remote instrumentation, Environmental Engineering and Management Journal, vol. 6, issue 6, pp. 517-520, 2007; 7. Donciu C., Temneanu M., Brinzila M., Sustainable irrigation based on intelligent optimization of nutrients applications, Environmental Engineering and Management Journal, vol. 6, issue 6, pp. 537-540, 2007;

8. Trandabat A., Branzila M., Donciu C., Pislaru M., Ciobanu R. C., Using gps technology and distributed measurement system for air quality maping of rezidential area, Environmental Engineering and Management Journal, vol. 6, issue 6, pp. 545-548, 2007;
9. Donciu C., Temneanu M., Brinzila M., Urban traffic pollution reduction using an intelligent video semaphoring system, Environmental Engineering and Management Journal, vol. 6, issue 6, pp. 563-566, 2007;
10. Donciu C., 3D Conductive Textile Shields, Modern Technologies in Industrial Engineering, Book Series: Advanced Materials Research, vol. 837, pp. 340-345, 2014;
11. Donciu C., ESD Garments with Bilayer Structure, Modern Technologies in Industrial Engineering, Book Series: Advanced Materials Research, vol. 837, pp. 682-687, 2014;
12. Donciu C., Estimating ESD Properties of Fabrics Based on Correlation between Dielectric Losses and Charge Decay Time, Modern Technologies in Industrial Engineering, Book Series: Advanced Materials Research, vol. 837, pp. 688-693, 2014;
13. Ardeleanu A. S., Donciu C., Nonintrusive Load Detection Algorithm Based on Variations in Power Consumption, Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), pp. 309-313, 2012;
14. Ardeleanu A. S., Donciu C., Frequency Estimation Based on Variable Frequency Resolution Concept, Proceedings of The 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), pp. 792-797, 2012;
15. Ardeleanu A. S., Cretu M., Donciu C. Electrical Signature - A Means of Improving the Management of Electricity Consumers, Management of Technological Changes, Book 2, pp. 553- 556, 2011;
16. Costea O., Donciu C., Labview based analog and digital instrument's automated calibration, Management of Technological Changes, vol. 1, pp. 473-476, 2009;
17. Alexandru C. I., Siminiceanu I., Branzila M. C., Donciu C., Development and environmental applications of new electrochemical advanced oxidation processes (EAOPS) for wastewater treatment, Management of Technological Changes, vol. 1, pp. 569-572, 2009;
18. Costea O., Cretu M., Donciu C., Video intelligent system for real-time inspection of textile materials and/or painting treatment in the presence of disturbing elements from industrial environment, Management of Technological Changes, vol. 2, pp. 661-664, 2009;
19. Donciu C., Costea O., Temneanu M., Damian R., Branzila M., New prototype architecture for automated irrigation based on power line communications, Grid Enabled Remote Instrumentation, Book Series: Signals and Communication Technology, pp. 499-509, 2009;
20. Donciu C., Costea O., Intelligent system for precision irrigation of greenhouse vegetables, Management of Technological Changes, vol. 2, pp. 669-672, 2009;
21. Donciu C., Temneanu M., Costea O., Traffic light's control through an intelligent video system, Management of Technological Changes, vol. 2, pp. 673-676, 2009;
22. Donciu C., Dosoftei C., New informatic system of interactive training for virtual laboratory type applications, Proceedings of the 11th International Conference on Optimization of Electrical and Electronic Equipment, vol. 4, pp. 163-168, 2008;
23. Fosalau C., Sarmasanu C., Cretu M., Donciu C., Ilie V., Virtual laboratories - Tools for improving the quality of distance technical learning, Management of Technological Changes, Book 1, pp. 501-506, 2007;
24. Aradoaei S., Hanganu S., Donciu C., Socotar D., Olariu M., Prototype architecture of a remote teaching laboratory,

	Management of Technological Changes, Book 1, pp. 179-182, 2005; 25. Trandabat A., Donciu C., Pislaru M., Ciobanu R., Olariu M., Air quality maping system for rezidential areas, using distributed measurements and gps technology, Proceedings of the 9th International Conference on Environmental Science and Technology, Volume B, pp. B927-B932, 2005; 26. Temneanu C., Donciu C., Ciobanu R., Schreiner C., Minimal fuzzy logic controller. Design considerations and potential applications, Proceedings of the 2005 IEEE International Conference on Computational Intelligence for Measurement Systems and Applications, pp. 141-144, 2005; 27. Donciu C., Temneanu C., Ciobanu R., Breaking Nyquist criteria using alias frequencies interpretation, Proceedings of the 2005 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems (VECIMS 2005), pp. 50-53, 2005;
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Donciu C., Ardeleanu A.S., Temneanu M., Multi-feature load detection algorithm, Advanced Materials Research, vol. 772, pp. 448-454, 2013; 2. Donciu C., Core Conductive Yarn Based Integral Knitted ESD Garments Part I. Metallic Core Conductive Yarns Investigation, Advanced Materials Research, vol. 772, pp. 467-473, 2013; 3. Donciu C., Core Conductive Yarn Based Integral Knitted ESD Garments Part II. Carbon Composite Yarns Investigation, Advanced Materials Research, vol. 772, pp. 474-479, 2013; 4. Branzila M., Donciu C., Distributed system architecture using a prototype web E-nose, Advances in Biomedical Sensing, Measurements, Instrumentation and Systems, Lecture Notes in Electrical Engineering, vol. 55, pp. 1-15, 2010; 5. Cretu M., Costea O., Temneanu C., Donciu C., Vision based Intelligent Semaphoring System, 16th IMEKO TC4 International Symposium, Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, pp. 391-395, 22-24 September 2008; 6. Donciu C., Costea O., 3D e-Shade dental color matching intelligent system, 16th IMEKO TC4 International Symposium, Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, pp. 873-876, 22-24 September 2008; 7. Donciu C., Temneanu M., Dosoftei C., New multitask prototype architecture for virtual laboratory, 16th IMEKO TC4 International Symposium, Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, pp. 706-710, 22-24 September 2008; 8. Branzila M.C., Donciu C., Alexandru C.I., Schreiner C., From real world experiment to virtual laboratory and next generation grid, 16th IMEKO TC4 International Symposium, Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Florence, Italy, pp. 717-722, 22-24 September 2008; 9. Temneanu M., Ciobanu R., Donciu C., Amorphous wire based stress sensor working with low carrier frequency, IMEKO 20th TC3, 3rd TC16 and 1st TC22 International Conference, Cultivating metrological knowledge, Merida, Mexico, pp. 171-176, 27-30 November 2007. 10. Nita L., Dosoftei C., Donciu C., Sarmasanu C., Informatic system of interactive training for virtual laboratory type applications, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing, Iasi, Romania vol. 2, pp. 717-720, 18-22 September 2007; 11. Dosoftei C., Donciu C., Cretu M., Data acquisition system for quasidigital sensors, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing,

Iasi, Romania, vol. 2, pp. 592-595, 18-22 September 2007;
12. Donciu C., Costea O., Seliman C., Environmental station for meteo measurements, 1st IMEKO TC 19 International Symposium on Measurement and Instrumentation for Environmental Monitoring, Iasi, Romania, pp. 103-107, September 2007;
13. Donciu C., Temneanu M., Samoila A., Automated video system for measurement instrument test and calibration, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing, Iasi, Romania, vol. 1, pp. 166-169, 18-22 September 2007;
14. Donciu C., Temneanu M., Samoila A., New prototype arhitecture for vision automated inspection, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing, Iasi, Romania, vol. 2, pp. 532-536, 18-22 September 2007;
15. Branzila M., Fosalau C., Donciu C., Cretu M., Virtual Library Included in LabView Environment for a New DAS with Data Transfer by LPT, Proceedings of the 14th International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, vol. 1, pp. 535- 540, 12-15 September 2005;
16. Donciu C., Creţu M., Luncă E., Constant Passage Technique for Undersampling Method with Two Sampling Rates, Proceedings of the 14th International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, vol. 1, pp. 250-253, 12-15 September 2005;
17. Lunca E., Donciu C., Cretu M., Salceanu A., A basic virtual test system for EMI/RFI problems, Proceedings of the 14th International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Poland, vol. 1, pp. 418-421, 12-15 September 2005;
18. Lunca E., Salceanu A., Hanganu S., Donciu C., Virtual Instrument Aiming To Extend The Capabilities Of The Spectrum Analyzers, 13th IMEKO-TC4 International Symposium on Measurements for Research and Industry Applications, IMEKO 2004, Athens, Greece, pp. 653- 656, 29 September - 1 October 2004;
19. Donciu C., Schreiner C., Cretu M., Lunca E., A Distributed Monitoring System for PowerQuality, 13th IMEKO-TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, pp. 686-689, 29 September - 1 October 2004;
20. Donciu C., Cretu M., Prisecaru I., Temneanu M., Virtual Stand for Testing Stepping Motors Used As Incremental Encoder, 13th IMEKO-TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, pp. 173-176, 29 September - 1 October 2004;
21. Donciu C., Cretu M., Hanganu S., Lunca E., Narrow Spikes Detection from Distorted Signals, 13th IMEKO-TC4 International Symposium on Measurements for Research and Industry Applications, Athens, Greece, pp. 701-704, 29 September - 1 October 2004;
22. Lunca E., Cretu M., David V., Donciu C., A virtual instrument for remote monitoring of electromagnetic field, 13th IMEKO TC4 Symposium on Measurements for Research and Industrial Applications, Athens, Greece, pp. 639-642, 29 September - 1 October 2004;
23. Donciu C., Rapuano S., A distributed measurement system for stepping motors study, Proceedings of the 21st IEEE Instrumentation and Measurement Technology Conference, IMTC 04., vol. 2, pp. 996-999, 2004;
24. Donciu C., Cretu M., Fosalau C., A Measurement System for Remote Teaching and Education, XVII IMEKO World Congress, Metrology in the 3rd Millennium, Cavtat-Dubrovnik, Croatia, pp. 792-795, 22-27 June 2003;
25. Donciu C., Rapuano S., A Remote Inter-University System for Measurement Teaching, 12th IMEKO TC4 International Symposium, Zagreb, Croatia, pp. 420-424, 25-27 September 2002;

	26. Baraboi B., Cretu M., Fosalau C., Donciu C., Gas Analysis System Based on Artificial Neural Networks, 11th IMEKO TC4 Symposium – Trends in Electrical Measurement and Instrumentation, Lisbon, Portugal, pp. 380-383, 13-14 September 2001; 27. Fosalau C., Cretu M., Postolache O., Donciu C., Baraboi B., A Virtual Instrument for Real Systems Identification and Modeling, 11th IMEKO TC4 Symposium – Trends in Electrical Measurement and Instrumentation, Lisbon, Portugal, pp. 83-86, 13-14 September 2001; Articol/studiu publicat în volumul unei manifestări ştiinţifice neindexate în baze de date 28. Verejan A., Temneanu M., Ardeleanu A.S., Donciu C., Pattern matching algorithms incomputer vision applications, Proceedings of the 6th International Conference on Electrical and Power Engineering, vol. 2, pp. 309-312, 2010; 29. Ardeleanu A.S., Donciu C., Verejan A., Temneanu M., Edge detection methods in computer vision applications, Proceedings of the 6th International Conference on Electrical and Power Engineering, vol. 2, pp. 312-315, 2010; 30. Ardeleanu A.S., Donciu C., Cretu M., Power Signature – a problem of detecting electrical devices, Proceedings of the 6th International Conference on Electrical and Power Engineering, vol. 2, pp. 336-339, 2010; 31. Donciu C., Costea O., Temneanu M., New Concept in Remote Laboratory: High-speed Multitask System Developed as Online Reconfigurable Platform, International Conference on Information Communication Technologies in Education, Corfu, Greece, pp. 712–718, 9-11 July 2009; 32. Costea O., Donciu C., Samoila A., Automated Video System Instruments Test and Calibration, 5th International Conference on Electrical and Power Engineering (EPE 2008), Iasi, Romania, pp. 351-356, 3-5 October 2008. 33. Milici M., Milici L. D., Temneanu M., Donciu C., A building management system for temperature control, International Symposium on Electrical Engineering and Energy converters (ELS 2007), Suceava, Romania, vol. 1, pp. 181-185, 27-28 September 2007; 34. Milici M., Cretu M., Milici L. D., Donciu C., Virtual Instrument Application for the Modeling and Studying of Data Acquisition System's Working, 4th International Conference in Remote Engineering and Virtual Instrumentation (REV 2007), Porto, Portugal, pp. 1-4, 23-27 July 2007; 35. Brinzila M., Pereira M.D., Donciu C., Cretu M., Internet Based Meteorological Center, 4th International Conference On Electrical and Power Engineering (EPE 2006), Iaşi, Romania, pp. 965- 970, 12-14 October 2006; 36. Brinzila M., Alexandru C., Donciu C., Creţu M., Design and Analysis of a proposed Web Electronic Nose (WebE-Nose), 4th International Conference On Electrical and Power Engineering(EPE 2006), Iaşi, Romania, pp. 971-976, 12-14 October 2006; 37. Lunca E., Donciu C., Salceanu A., David V., Testing and Monitoring Systems Based on Virtual Instrumentation, 4th International Conference On Electrical and Power Engineering (EPE 2006), Iaşi, Romania, pp. 1037-1042, 12-14 October 2006; 38. Ciobanu R., Schreiner C., Donciu C., Branzila M., Prototype Architecture for a Remote and Distributed Measurements Laboratory, for Higher Education Purposes, Proceedings of International Conference on Distance Education (ICODE 2006), Muscat, Sultanate of Oman, pp. 173-185, 27-29 March 2006; 39. Luncă E., Donciu C., Sălceanu A., Creţu M., Virtual Interface for Spectral Measurements, 5th International Conference on Electromecanical and Power Systems, Chişinău, Moldova, vol. 1, pp. 355-358, 6-8 October 2005; 40. Trandabăţ A., Donciu C., Schreiner C., Conceptual Architecture for Virtual Laboratories: Application - Power Quality Virtual Laboratory, Challenger in Collaborative Engineering (CCE'05), Sopron, Hungary, pp. 55-64, 14-15 April 2005; 41. Temneanu M., Foşalău C., Donciu C., An Internet Based Approach to Virtual Magnetometry, Proceedings of Remote Engineering and Virtual Instrumentation Symposium, Brasov, Romania, pp. 101-104, 31 June - 1 July 2005;

	42. Trandabat A., Pislaru M., Donciu C., Hanganu S., Conceptual Architecture for a Virtual Distributed Internet Laboratory in Engineering Field, 7th International Conference of Development & Application Systems (DAS'04), Suceava, Romania, pp. 383-390, 27-29 May 2004; 43. Donciu C., Petrescu M., Branzila M., Cantemir L., Cretu M., Prototype For A Distributed Measurement System, 4th International Conference On Electromechanical And Power Systems, Chisinau, Moldova, pp. 187-188, 26-27 September 2003; 44. Pancu C., Baraboi A., Adam M., Donciu C., PC Sound Card In The Contact Resistance's Estimation, 5th International Power Systems Conference, Timisoara, Romania, pp. 399-402, 6-7 November 2003; 45. Donciu C., Fosalau C., Cretu M., Undersampling method with two sampling rates, Proceedings of the 8th International Conference on Optimisation of Electric and Electronic Equipments (OPTIM 2002), Braşov, Romania, pp. 665-668, 16-17 May 2002; 46. Donciu C., Fosalau C., Cretu M., Method for detecting narrow spikes, Proceedings of the 12th IMEKO TC4 International Symposium, Zagreb, Croatia, pp. 286-290, 25-27 September 2002; 47. Donciu C., Baraboi B., Schreiner C., Cretu M., Angular Displacement Measurement System for Electromotion Applications, 4th International Symposium on Advanced Electromechanical Motion Systems (Electromotion 2001), Bologna Italia, vol. 1, pp. 165-168, 2001; 48. Schreiner C., Donciu C., Ciobanu R., Baraboi B., Test Bench for Linear Manipulators Using Virtual Instrumentation, 4th International Symposium on Advanced Electromechanical Motion Systems (Electromotion 2001), Bologna Italia, vol. 1, pp.195-197, 19-20 June 2001; 49. Donciu C., Cretu M., Fosalau C., Communication in Virtual Instrumentation, Proceedings of 2nd International Conference on the Management of Technological Changes, Iasi, Romania, pp. 69- 74, 25-27 October 2001;
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Scarlat R.V., Donciu C., Visileanu E., Carpus E., Electrod de descărcare electrostatică tri-element, Cerere de brevet înregistrată la OSIM, nr. A/00897/21.11.2014
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. ERA NET CrossTexNet, contract 7_071_2012, Innovative technology for multilayer EMI shields based on spatial fabric (3DShields), 2012-2014, 405.000 RON 2. ERA NET CrossTexNet, contract 7_058_2012, Core conductive fibres based ESD protective garments (ESDGarm), 2012-2014, 343.200 RON Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie naţională sau încheiate cu institute de cercetare, companii, regii, societăţi comerciale 3. PN2 CNMP – Parteneriate, contract 251/2014, Mini-patern-urile, soluția coordonării video a procesului de confecţionare a produselor textile, 2014-2016, 1.333.700 RON 4. PN2 CNMP – Parteneriate, contract 260/2014, Ecrane electromagnetice spațiale bazate pe funcționalizare diferențiată cu nano/micro particule, 2014-2016, 1.370.000 RON 5. PN2 – Parteneriate, contract 179_PCCA_2012, Haine ESD realizate din fibre cu miez conductor tricotate bistrat (GarmESD), 2012-2016, 1.078.000 RON 6. PN2 CNMP – Parteneriate, contract 72-173/2008,Sistem video automatizat cu grad ridicat de interschimbabilitate pentru etalonare, metrologică a echipamentelor de măsurare, 2008-2011, 1.495.000 RON

	7. Grant CEEX Modulul I – INFOSOC, contract 137/2006, Sistem informatic de instruire interactivă bazat pe algoritmi multitask de mare viteză dezvoltat pe platformă reconfigurabilă pentru aplicaţii de tip laborator virtual, 2006-2008, 880.000 RON 8. Grant CEEX Modulul I – AGRAL, contract 51/2006, Sistem inteligent de irigare de precizie implementabil pe structurile automate cu deplasare circulară sau liniară, 2006-2008, 1.010.000 lei 9. Grant CEEX Modulul III – CNMP, contract 194/2006, Dezvoltarea parteneriatelor C/D in vederea promovării de proiecte europene in domeniul video-inspecţiei inteligente a materialelor textile, 2006-2008, 180.000 RON 10. Grant AT anul 2004, tema 81, cod CNCSIS 330, contract 33371/2004, Sistem de măsurare distribuita dezvoltat prin metode de instrumentaţie virtuala, 11.400 RON 11. Grant AT anul 2003, tema 57, cod CNCSIS 330, contract nr. 33557/2003, Sistem de măsurare distribuita dezvoltat prin metode de instrumentaţie virtuala, 3.600 RON

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanță etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Haba M. Cristian-Győző **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)** 1. Oana-Maria Asiminicesei, Alin Dragomir, Cristian-Gyözö Haba, Constantin-Cătălin Dosoftei, Oana-Cristina Beniugă, Ciprian-Romeo Comșa, Sebastian-Teodor Arădoaei, Marius-Ciprian Brânzilă, Antreprenoriat pentru ingineri și arhitecți. Vol. 3 Afaceri digitale, 2022, ISBN 978-606-685- 923-5, Ed. Performantica, Iași 2. C.G.Haba, The Use of Machine Learning Techniques for Monitoring of Photovoltaic Panel Functionality, 2021, in Internet of Energy for Smart Cities , Editors Anish Jindal, Neeraj Kumar, Gagangeet Singh Aujla, ISBN 9781003047315,CRC Press, Taylor and Francis Group, Boca Raton, FL,USA 3. C.G.Haba, L.Breniuc, V.David, Developing Embedded Platforms for Ambient Assisted Living, capitol în Ambient Assisted Living and Enhanced Living Environments. Principles, Technologies and Control, Editors Ciprian Dobre, Constandinos X.Mavromoustakis, Nuno M. Garcia, Rossitza I. Goleva, George Mastorakis, Elsevier, Oxford, 2017, pp. 211-246. ISBN: 978-0-12-805195-5, DOI: 10.1016/B978-0-12-805195-5.00009-0 4. C.G.Haba, Tehnologia informației în susținerea transferului tehnologic al produselor și serviciilor, Ed. Performantica, 2016, 120 pagini, ISBN 978-606-685-472-6. 5. L.Breniuc, C.G.Haba, Proiectarea cu microcontrolere HCS12, Ed. Politehnium, Iași, ISBN 978- 973-621-393-9, 275 pagini (contrib. candidat 20%, 44 rd/pag), 2012 6. C.G.Haba, Proiectare avansată cu circuite integrate programabile și limbaje de descriere a componentelor hardware, Ed. Politehnium, Iași, ISBN 978-973-621-246-8, 150 pagini (contrib. candidat 100%, 44 rd/pag), 2008 7. C.G.Haba, L.Breniuc, Elemente de proiectare cu circuite numerice programabile, Ed. Politehnium, Iaşi, ISBN 973-621-110-X, 250 pagini (contrib. candid. 50%, 44 rd/pag) , 2005 8. L.Breniuc, C.G.Haba, Proiectare cu microcontrolere PICMicro, Ed. Politehnium, Iaşi, ISBN 973-621-130-4, 250 pagini (contrib. candid. 50%, 44 rd/pag) , 2005 9. C.G.Haba, C.Huţanu, Sinteza asistată a structurilor numerice complexe folosind diagrame de decizie binară, Ed. Tehnica-Info, Chişinău, ISBN 9975-63-167-2, 194 pagini (contrib. candid. 50%, 42 rd/pag) , 2002

	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	1. C.G.Haba, L.Breniuc, Power Monitoring System Based On ADM1191 Device, Bul.Inst.Polit. Iaşi, t. LXI (LXV), f.4, pp. 19-32. (Index Copernicus) 2. L.Breniuc, C.G. Haba, GPS and GSM System for the Development of Car Tracking Application, Bul.Inst.Polit. Iaşi, t. LIX (LVIII), f.3, pp. 71-81, 2013. (Index Copernicus, Google Scholar) 3. L.Breniuc, C.G. Haba, A Development System for the Sunshine Duration Estimation, Bul.Inst.Polit. Iaşi, t. LIX (LVIII), f.4, pp. 79-91, 2013. (Index Copernicus, Google Scholar) 4. V.R.Cociu, L.Cociu, C.G.Haba, Short overwiew about modeling the induction machine using PSpice, Bul. Inst. Polit. Iaşi, t. LVIII (LXII), f. 4, 2012, pp. 63-74. (Index Copernicus, Google Scholar) 5. L.Cociu, V.R.Cociu, C.G.Haba, About power evaluation of induction machine in steady-state and transient, Bul. Inst. Polit. Iaşi, t. LVIII (LXII), f. 4, 2012, pp. 85-95. (Index Copernicus, Google Scholar) 6. L.Breniuc, C.G.Haba, V.David, Wireless Network for the Development of Measurement Applications Based on ZigBee Protocol, Bul.Inst.Polit.Iasi, Vol. LVI (LX), f.1, 2010, pp. 41-54. (Index Copernicus) 7. C.G.Haba, V. Bahrin, C. Pruteanu, INDIPHASO e-Learning System - Access to Software Tools for Digital Design, Journal Of Medical Informatics & Technologies Vol. 9/2005 ISSN 1642-6037, pp. 313-320, 2005,. (Revistă rezumată în Medinbase şi indexată Google Scholar, Russian Periodical Catalogs (East View information services) şi Biblioteka Nauki) bwmeta1.element.baztech-article- PWA4-0012-0037 8. M.Haba and C.G.Haba, Decomposition of Liquid-Vapour Equilibrium curves of Sigmoidal Types in Hyperbolic Type Components, Bul.Inst.Pol.Iaşi, t.XLI(XLV) s.I , f.1-2 pp.129-140, 1995 (Indexată în Compendex) 9. Todizara Andrianajaiana, Tsivalalaina David Razafimahefa, Haba Cristian-Gyozo, Dorin Dumitru Lucache, Analysis and Forecasting of Solar Power Generation using Machine Learning, Information Fusion Research, Vol. 1, 2023, doi.org/10.59429/ifr.v1i1.128 10. Andrianajaina T, Razafimahefa DT, Rakotoarijaina R, Haba CG. Grid Search for SARIMAX Parameters for Photovoltaic Time Series Modeling. Glob. J. Energ. Technol. Res., 2022 Dec. 23, 9:87-96. 11. C.G.Haba, Identification of Faulty Operation in Photovoltaic Panels, Glob. J. Energ. Technol. Res.,2021, 8:84-98. 12. C.G.Haba, D.D.Lucache, R.Cociu, L.Cociu, L.Breniuc, Project Autoclusters Support for Development of Electric Mobility, Bul.Inst.Polit Iasi, t. LIX (LVIII), f.4, pp. 93-102, 2013. 13. C.G.Haba, V.Bahrin, Carmen Cojocaru-Filipiuc, Use of programmable logic circuits for the control of electrical machines, Bul.Inst.Polit. Iaşi, t.LIV (LVIII), f.4, pp. 705-712, 2008. 14. V.Bahrin, C.G.Haba, Considerations regarding electrical servomotors, Bul.Inst.Polit. Iaşi, t.LIV (LVIII), f.4, pp. 939-944, 2008. 15. A. Creţu, C.G.Haba, Inductive voltage divider compensated with electronic amplifier, Bul.Inst.Polit. Iaşi, t.LIV (LVIII), f.1, pp. 49-54, 2008. 16. A. Creţu, C.G.Haba, Two-stage voltage transformer with electronic compensation, Bul.Inst.Polit. Iaşi, t.LIV (LVIII), f.4, pp. 85-92, 2008. 17. C.G.Haba, I.Tudosă, D.Petrişor, Adapting curricula to the job market in a partnership with industry, Bul.Inst.Polit. Iaşi, t.LIV (LVIII), f.4, pp. 183-188, 2008. 18. C.G.Haba, L.Breniuc, V.Bahrin, Tehnologiile în sistemul de învăţare la distanţă INDIPHASO, Revista Română de Textile-Pielărie, Nr. 3, pp.75-80, ISSN 1453-5424, 2006.

19. C.G.Haba, L.Breniuc, Automated Evaluation of ECDL skills, Bul. Inst. Polit. Iaşi, Tom LII (LVI), FASC. 5, s. Ştiinţe Socio-umane, pp.147-152, 2006.
20. L.Breniuc, C.G.Haba, Automatic Detection of Serial Transfer Rate for Pic18fxx2 Microcontrollers, Bul. Inst. Polit. Iaşi, Tom LII (LVI), FASC. 5, pp. 897-902, 2006.
21. L.Breniuc, C.G.Haba, A Loader Program for Microsystems Based on Pic18fxx2 Microcontrollers, Bul. Inst. Polit. Iaşi, Tom LII (LVI), FASC. 5, pp. 903-908, 2006.
22. V.Bahrin, C.G.Haba, Considerations regarding the model reference control system for speed control of DC Motor, Bul. Inst. Polit. Iaşi, Tom LII(LVI), Fasc. 1 s. Ştiinţa şi ingineria materialelor, pp. 41-46, 2006.
23. V. Bahrin, C.G. Haba, The Speed Control System Of The DC Motor With Passive Adaptive Controller And Torque Estimator, ICGST International Journal on Automatic Control and Systems Engineering, ACSE, Special Issue on Parametric control techniques & their applications, pp. 71-75, 2006.
24. C. Cojocaru-Filipiuc, C.G. Haba, A. Creţu, Brushless D.C. Motor with Phase and Width Control of the Rectangular Conduction Signals, ICGST International Journal on Automatic Control and Systems Engineering, ACSE, Special Issue on Parametric control techniques & their applications, 87-92, 2006.
25. C.G.Haba, I.Tuleasca and V.Bahrin, How Can Distance Learning Be Improved for Laboratory Works, Bul. Inst. Polit Iasi, t. L (LIV), f.5, pp. 653-658, 2004.
26. C.G.Haba, A.Creţu, Carmen Cojocaru-Filipiuc, EMML - XML for Electrical Machines, Bul. Inst. Polit Iasi, t. L (LIV), f.5, pp. 1301-1306, 2004.
27. L.Breniuc, C.G.Haba, A.Salceanu, Remote Temperature Data-Logger Based on 1-Wire Addressable Digital Instruments, Bul. Inst. Polit Iasi, t. L (LIV), f.5, pag. 729-736, 2004.
28. V.Bahrin, C.G.Haba, Control System with Passive Adaptive Controller Used for DC Motor Control, Bul.Inst.polit.Iaşi, t. L (LIV), f. 3-4, pp.91-95, 2004.
29. C.G.Haba, V.Barhrin, L. Breniuc, Self Reconfiguration System with Remote Configuration Library, Bul.Inst.polit.Iaşi, t. XLVIII (LII), s.3, f. 5B, pp.175-180, 2002.
30. C.G.Haba, L. Breniuc, V.Barhrin, Distance Learning of Hardware-Software Applications, Bul.Inst.polit.Iaşi, t. XLVIII (LII), s.3, f. 5B, pp. 181-188, 2002.
31. L.Breniuc, C.G.Haba, A.Sălceanu, Learning Remote Temperature Measurement System for the Instrumentation Laboratory, Bul.Inst.polit.Iaşi, t. XLVIII (LII), s.3, f. 5B, pp. 303-310, 2002.
32. V.Bahrin, C.G.Haba, Carmen Cojocaru-Filipiuc, On The Mathematical Model of an Automated Position System with Permanent Magnet D.C. Servomotor, Bul.Inst.polit.Iaşi, t. XLVIII (LII), s.3, f. 5B, pp.87-92, 2002.
33. V.Bahrin, Carmen Cojocaru-Filipiuc, C.G.Haba, The influence of the static friction torque on the positioning systems with permanent magnet D.C. servomotors, Bul.Inst.polit.Iaşi, t. XLVIII (LII), s.3, f. 5B, pp. 93-96, 2002.
34. C.G.Haba, Cube Set Manipulation Using BDDs, Buletinul Institutului Politehnic Iasi, Tomul XLV(IL), Fasc.5, Electrotehnică, Energetică, Electronică, pp. 68-71,1999.
35. C.G.Haba, A Method For FSM Decomposition Using Factorization, Buletinul Institutului Politehnic Iasi, Tomul XLV(IL), Fasc.5, Electrotehnică, Energetică, Electronică, pp.72-75,1999.
36. L.Breniuc, E. Cretu, C.G.Haba: A Study on the Efficiency of Non-linear Conversion Used in the Fourier Transformate Computation, Buletinul Institutului Politehnic Iasi, Tomul XLV(IL), Fasc.5, Electrotehnică, Energetică, Electronică, pp.18-23,1999.

	37. L.Breniuc, C.G.Haba, E. Cretu: The Possibility of Implementing a Succesive Approximation A/D Converter Using FPGAs, Buletinul Institutului Politehnic Iasi, Tomul XLV(IL), Fasc.5, Electrotehnică, Energetică, Electronică, pp.210-215,1999. 38. M.Haba, C.G.Haba, Dependence of the excess molar volume of binary liquids on its composition, Bul.Inst.polit.Iaşi, t. XLIII (XLVII), s.1, f. 3-4, pp 105-113, 1997. 39. C.G.Haba and Paraschiva Haba Finite Element Analysis of the Magnetic Field Distribution of a Ring Core Flux-Gate Translation Transducer, Bul.Inst.polit.Iaşi, t. XLI (XLV), s.3, f. 5, pp. 833-838, 1995. 40. P.Haba, M.Haba, C.G.Haba, Considerations on the Effective Magnetic Permeability of a Fluxgate Controlled by a Permanent Magnetic Field. Bul.Inst.Pol.Iaşi, t. XLI (XLV), s.III, f. 5, pp.873- 879, 1995.
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. L. Breniuc, C.G. Haba, V. David, Embedded Platform for Developing Medical Applications, Revue Roumaine des Sciences Techniques-Serie Electrotechnique et Energetique Volume: 65 Issue: 1-2 Pages: 2020, 123-129 . Factor de impact 0,76 WOS:000552052900020 2. I. Tudosa, C.G.Haba, V.David, C. Adochitei, "Reduction of Power Line Interferences from Electrocardiographic Signals by Applying Adaptive Filtering on Field Programmable Gate Array Circuits", Environmental Engineering and Management Journal, Volume: 12 Issue: 6 pp. 1199- 1206, 2013, Factor de impact 1,117, DOI: 10.30638/eemj.2013.148 3. I.Nica, V.David, V.Dafinescu, A.Salceanu, C.G.Haba, "Characterization of Electromagnetic Radiation from a Patient Monitor", Environmental Engineering and Management Journal Volume: 10 Issue: 4 pp. 561-566, 2011 Factor de impact 1,435, DOI: 10.30638/eemj.2011.078 4. C.G.Haba, "Extending the Use of PLC Simulator Software in Student Laboratory Works ", ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 10 Issue: 1 Pages: 84- 89, 2010., DOI: 10.4316/AECE.2010.01015 5. C.G.Haba, P.Haba, C.Cirstea, V.M.Cosma, M.Lozovan: Optimization of a Ferromagnetic Displacement Sensor, Sensors & Actuators A 59 (1997) 136-141, 1997, Factor de impact 1,348, DOI: 10.1016/S0924-4247(97)80163-X 6. V.M.Cosma, M.Lozovan, H.Chiriac, C.G.Haba, On a Cathegory of Displacement and Temperature Sensors Based on Magnetic Materials. Sensors & Actuators A 59 (1997) 128-132, 1997, Factor de impact 1,348, DOI: 10.1016/S0924-4247(97)80161-6
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Haba, C.G.Haba "The Geographical Creativity Method for Generation of Ideas" THE XXVIII-th INTERNATIONAL CONFERENCE of INVENTICS "INVENTICA 2024", Sciendo, 2024, pp. 69-75. https://doi.org/10.2478/9788367405799https://doi.org/10.2478/9788367405799-008 2. Ghizlene Cheikh, C.G. Haba, Hadj Adda Bentounes, Study of a Hybrid System (PV-Battery-Grid) for Electric Vehicle Charging Stations, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 368-373 3. C.G.Haba, Portable Device for Measuring Lighting Characteristics in Working Spaces, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), ISBN 978-1- 6654-8994-2, 2022, pp. 550-555 (IEEE Xplore) 4. G.Pavlendova, A.M.Chorvatova, D.Lucache, C.G.Haba, G.Ladas, M.Cantarella, Augmented Reality and 3D Models Used for Increasing Attractivity of Learning Physics: the ARPHYMEDES Project, GIREP-EPEC 2023, Physics learning and promoting culture and addressing societal issues, 3-7 July 2023, Kosice, Slovakia.

	5. C.G.Haba, Portable Device for Measuring Lighting Characteristics in Working Spaces, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), ISBN 978-1- 6654-8994-2, 2022, pp. 550-555 (IEEE Xplore) 6. Chebli A., C.G.Haba, Coping with Missing Values in Medical Data Sets: A Proposal of an Approach Based on Soft Clustering and Measures of Central Tendency, 2022, E-Health and Bioengineering Conference (EHB), ISBN 978-1-6654-8557-9, 2022, pp. 1-4, (IEEE Xplore) 7. C.G.Haba, Extending Sensor Type Connections to a PLC, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), ISBN 9781665400787, pp. 262-265, 7-8 Octombrie 2021, 10.1109/SIELMEN53755.2021.9600300 8. C.D.Gălățanu, C.G.Haba, L. Breniuc, Embedded sensors in thermal insulation for buildings, The 12th International Conference Interdisciplinarity in Engineering, Procedia Manufacturing, Volume 46, 2020, Pages 418-423. (Science Direct) 9. C.G. Haba, C.D. Gălăţanu, L. Breniuc, Reduction of Energy Consumption for Architectural Lighting Systems, International Conference and Exposition on Electromechanical and Energy Systems, 10-11 October 2019, Chisinau, Rep. of Moldova, SIELMEN 2019, pp 497-502.(IEEE Xplore) 10. C.G. Haba, L. Breniuc, L. Canale, C.D. Gălăţanu, Study on the Influence of Various Factors on Measurement of CCT for a Controlled Lighting System, IEEE Industrial Application Society Annual Meeting 2019, Baltimore, MD, USA, 2019, pp. 1-5. doi: 10.1109/IAS.2019.8912313, WOS:000521115900084 (WoS) 11. C.G.Haba, Monitoring Solar Panels using Machine Learning Techniques, 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj-Napoca, Romania, ID 129, pp. 1-6 (IEEE Xplore) 12. L. Breniuc, C.G. Haba, C.D. Gălăţanu, D. Petrişor, R. Herţanu, Correlated Color Temperature Measuring And Adjustment System, The 11th International Symposium on Advanced Topics in Electrical Engineering, Bucharest, March 28-30, 2019, ID 161, pp. 1-6. (WoS) 13. C.D. Gălățanu, C.G. Haba, D. Petrișor, L. Breniuc, Imaging Measurements for Public Lighting Predictive Maintenance, The 11th International Symposium on Advanced Topics in Electrical Engineering, Bucharest, March 28-30, 2019, ID 162, pp. 1-5. (WoS) 14. C.G. Haba, L. Breniuc, C.D. Gălăţanu, D. Petrişor, R. Herţanu IoT System for Implementation of Connected Lighting, The 11th International Symposium on Advanced Topics in Electrical Engineering, Bucharest, March 28-30, 2019, ID 205, pp. 1-5. (WoS) 15. C. G. Haba, I. Dîrlau, "Trends in Scientific Research Published in International Conference and Exposition on Electrical and Power Engineering (EPE) Conference Series," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0005-0010. (WoS) 16. C. G. Haba, "Using Continuous Education Courses to Improve Learning Experience," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0001-0004.(WoS) 17. C. G. Haba, L. Breniuc, O. Plopa and I. Ursu, "Multiple Gas Sensing Platform With RFID Connectivity," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0618-0623. (WoS) 18. L. Breniuc, C. G. Haba, O. Plopa and L. Ungureanu, "Electrochemical RFID Sensor for Gas Concentration Measurement," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0290-0295. (WoS) 19. C. G. Haba, L. Breniuc, R. C. Ciobanu and I. Tudosa, "Development of a wireless glove based on RFID Sensor," 2018 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, 2018, pp. 1-6.(WoS)

	20. C.G.Haba, Monitoring Photovoltaic Parks for Damage Prevention and Optimal Operation, 11th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October Iasi/12-13 October Chisinau, 346-351.(WoS) 21. J. Šaliga, L. Michaeli, F. Jakab, D. D. Lucache, C. G.Haba, TecTNet TEMPUS project master program for improvement of innovation and technology transfer between universities and industry in Republic of Moldova, ICETA 2016. (WoS) 22. C.G.Haba, L.Breniuc, Visualization and Analysis of Student Activity on Moodle Content Management System, Conference on Education and New Learning Technologies, Barcelona, Spain, 7-9 July 2014, pp.2800-2806, 2014. (WoS, IATED Digital Library, Google Scholar) 23. L.Breniuc, C.G.Haba, Flexible Platforms for Teaching Embedded Systems, 6th International Conference on Education and New Learning Technologies, Barcelona, Spain, 7-9 July 2014, pp.5916-5923, 2014. (WoS, IATED Digital Library, Google Scholar) 24. C.G.Haba, D. Pappas, CSLC: The Infrastructure Compiler for SoC Design, 12th International Conference on DEVELOPMENT AND APPLICATION SYSTEMS, DAS 2014, Suceava, Romania, May 15-17, 2014, pp. 149-154, 2014. (WoS,IEEE Xplore) 25. C.G.Haba, Using FPGA Development Boards for Multi-course Laboratory Support, 2014 IEEE Global Engineering Education Conference (EDUCON), 3-5 April 2014, Istanbul, Turkey, pp. 794-797, 2014. (WoS, IEEE Xplore) 26. C.G.Haba, "Initial Development of Wireless Applications Using FPGAs ", International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, ROMANIA Date: OCT 25-27, 2012, (WoS, IEEE Xplore) 27. V.R.Cociu, L.Cociu, C.G.Haba, "On Asynchronous Motor Transient for Sudden Modification of the Load Torque", 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, ROMANIA, MAY 12-14, 2011 pp.1-6, 2011 (WoS) 28. L.Cociu, C.G.Haba, V.R.Cociu, "Particularities of Park Transformation in Special Cases " 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, ROMANIA, MAY 12-14, 2011 pp.1-6, 2011 (WoS) 29. C.G.Haba, V.R.Cociu, L.Cociu, "Mixed Mode Verification of PLC Based Control Systems". 7th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, ROMANIA, MAY 12-14, 2011 pp.1-6, 2011 (WoS) 30. C.G.Haba, "Educational Resource Management and Optimization using Virtualization Technologies", 14th International Conference on Interactive Collaborative Learning (ICL)/11th International Conference on Virtual-University (VU), Piestany, SLOVAKIA, SEP 21-23, 2011 pp. 400- 403, 2011 (WoS) 31. C.G.Haba, L.Breniuc, Teaching FPGA Embedded System Design by Course Correlation and with the help of VIP Systems, FPGAWorld'11, September 12-15, Copenhagen, Stockholm and Munich, 2011, pp 50-57, 2011. (WoS, Scopus, ACM) 32. C.G.Haba, V. Bahrin, L. Breniuc, Simple Method to Interface Computer Simulations of Digital Systems with Real World, Proceedings of ICERI2010 Conference.15th-17th November 2010, Madrid, Spain, pp. 5622-5628, 2010 (WoS, IATED Digital Library, Google Scholar) 33. C.G.Haba, L. Breniuc, V. Bahrin, Keeping up with Technology Evolution in an Online Student Laboratory for Digital Design, Proceedings of ICERI2010 Conference.15th-17th November 2010, Madrid, Spain, pp. 5756-5762, 2010 (WoS, IATED Digital Library, Google Scholar) 34. C.Pruteanu, C.G.Haba, GenFSM, a Finite State Machine Generation Tool, Development and Application Systems

	Conference, DAS 2008, May 22-24 Suceava, 2008. (Google Scholar) 35. C.G.Haba, V.Bahrin, Carmen Cojocaru-Filipiuc, Remote access to programmable logic design systems: lesson learned, Virtual University, 11-13 December 2008, Bratislava, Slovakia, pp. 1-6. 2008. (Google Scholar) 36. C.G.Haba, L.Breniuc, V.David, e-Learning System for Temperature and Humidity Sensors and Distributed Measurement, IMEKO-TC4, Volume II, 18-22 Sept., 2007, Iasi, Romania, pp 721-726, 2007. (Scopus, Google Scholar) 37. L.Breniuc, C.G.Haba, V.David, Learning System for Evaluation of Temperature and Humidity Sensors, IMEKO-TC19, 18-22 sept, 2007, Iasi, Romania, pp. 72-77, 2007. (Google Scholar) 38. C.G.Haba, V.Bahrin, Considerations regarding the implementation of a digital design laboratory, Virtual University 2007, December 13-14, Bratislava, Slovacia, pp. 64-68, 2007.(Google Scholar) 39. D.Haba, A.E.Petcu, C.G.Haba, E-learning System for Studying Dento-maxillo-facial Radiology, Virtual University 2007, December 13-14, Bratislava, Slovacia, pp.105-108, 2007. (Google Scholar) 40. C.G.Haba, V.Bahrin, L.Breniuc, Tutoring in the INDIPHASO e-learning system, Preceedings of Virtual University, 2006, Bratislava, Slovak Republic, 14-15 December 2006, pp.213-216, 2006. (Google Scholar) 41. C. Pruteanu, D. Galea, C.G.Haba, Application of Finite State Machine General Decomoposition Method with Optimization, Proceedings on The 8th International Conference on Development and Application Systems (DAS 2006), ISBN 973-666-194-6, 25-27 May 2006, Suceava, Romania, pg. 325-332, 2006. (Google Scholar)V42 C. Pruteanu, D. Galea, C.G.Haba, An Extrinsic Evolvable Hardware Approach to Logic Synthesis Optimization, Proceedings on The 8th International Conference on Development and Application Systems (DAS 2006), ISBN 973-666-194-6, 25-27 May 2006, Suceava, Romania, pg. 277-280, 2006. (Google Scholar) 42. C.G.Haba, V. Bahrin, C. Pruteanu, INDIPHASO e-Learning System - Access to Software Tools for Digital Design, Proceedings of Distance Learning Workshop 2005, 19-21 October, Ustron, Poland, pp.1-8, 2005. (Google Scholar) 43. C.Pruteanu, D.Galea, C.G.Haba, "Global optimization in complex circuits design ", 7th International Symposium on Signals, Circuits and Systems (ISSCS 2005), Iasi, ROMANIA JUL 14- 15, 2005, Pages: 785-788, 2005 (IEEE Xplore, WoS) 44. C.G.Haba, L. Breniuc, Teaching Communication Protocols Used In Instrumentation Laboratory, Proceedings of the 13th International Symposium On Measurements For Research And Industry Applications, IMEKO 2004, 29th September-1st October 2004, Athens, Greece, pp. 707-711, 2004 (Google Scholar) 45. L.Breniuc, C.G.Haba, A.Salceanu, Learning Remote Temperature Measurement In Instrumentation Laboratory, Proceedings of the 13th International Symposium On Measurements For Research And Industry Applications, IMEKO 2004, 29th September-1st October 2004, Athens, Greece, pp. 194-199, 2004. (Google Scholar) 46. C.G.Haba, V.Bahrin, L.Breniuc, Learning Tools for Remote Hardware-Software Applications, 2nd International Conference on Emerging Telecommunication Technologies and the 4th Conference on Virtual University ICETA-2003, 11-13 September 2003, Kosice, Slovak Republic, pp.225-228, 2003. (Google Scholar) 47. V.Bahrin, C.G.Haba, C. Cojocaru-Filipiuc, "Considerations regarding optimal control of DC motor drive systems", 5th IEEE International Conference on Power Electronics and Drive Systems (PEDS 2003) Location: Singapore, SINGAPORE Date: NOV 17-20, 2003, Pages: 1619-1623, 2003 (IEEE Xplore, WoS) 48. V.Bahrin, C.G.Haba, C. Cojocaru-Filipiuc, "Industrial robot control system with torque-based estimator for rejection of perturbations", 5th IEEE International Conference on Power Electronics and Drive Systems (PEDS 2003), Singapore, NOV 17-20, 2003, Pages: 1624-1629, 2003 (IEEE Xplore, WoS) 49. L.Breniuc, C.G.Haba, Web-Based Monitoring and Control of a Temperature Measurement System, Proceedings of the

	2nd on-line Workshop on Tools for Education in Measurement, Tampere , Finland, 1-15 June 2002, pp. 11-15, 2002. (Google Scholar) 50. C.G.Haba, L.Breniuc Web-Based Access to Educational Prototyping Boards Used in Instrumentation Laboratory, Proceedings of the 2nd on-line Workshop on Tools for Education in Measurement, Tampere , Finland, 1-15 June 2002, pp.23-28, 2002. (Google Scholar) 51. C.G.Haba, L.Breniuc, Microcontroller And Programmable Circuit-Based Development Boards Used In Digital Instrumentation Laboratory, Proceedings of 11th IMEKO TC-4 Symposium "Trends in electrical measurement and instrumentation", Lisbon, Portugal September 13-14, 2001, pp.303- 307, 2001. (Google Scholar) 52. L.Breniuc, C.Sărmăşanu, M.Creţu C.G.Haba, Versatile System For Frequency Type Quantities Measurement, Proceedings of 11th IMEKO TC-4 Symposium "Trends in electrical measurement and instrumentation", Lisbon, Portugal September 13-14, 2001, pp. 271-275, 2001 (Google Scholar) 53. C.G.Haba, General Morphological Research Based on Lexicographical Enumeration, The 21 International Conference on Inventics "Inventica 2017", Iasi, 28-30 June 2017, pp. 56-65. 54. C.G.Haba, L.Breniuc, Power Monitoring System with Wireless Connectivity for Legacy PLC based Systems, 10th International Conference on Electromechanical and Power Systems, Chisinau, October 2015, pp. 1-4. 55. Lucache D.D, Haba C.G., TecTNet - a project for improving the technological transfer in Republic of Moldova, Proceedings of the XIX International Conference "Inventica 2015", June 24th-26th, 2015, Iasi, Romania, 2015, pp.67-74. 56. C.G.Haba, R.Cociu, L.Cociu, D.Lucache, "Project Autoclusters Results and Lesson Learned", International Conference on Electromechanical and Power Systems, SIELMEN 2013, Chişinău, 16- 18 October 2013, ISBN 978-606-13-1560-4. pp. 552-555, 2013 57. C.G.Haba, L.Breniuc, Using Smart Relays to Generate Test Signals for Industrial Control Systems, Proceedings of the 6th International Conference on Electrical and Power Engineering, 28- 30 October 2010 - Iaşi, Romania, Vol. II ISBN general: 978-606-13-0079-2, ISBN vol II: 978-606-13- 0078-5, pp. 257-260, 2010 58. L. Breniuc, C.G.Haba, C. Sărmăşanu, Parameters Evaluation of a Tire Pressure Monitoring System, Proceedings of the 6th International Conference on Electrical and Power Engineering, 28- 30 October 2010 - Iaşi, Romania, Vol. II ISBN general: 978-606-13-0079-2, ISBN vol II: 978-606-13- 0078-5, pp. 340-344, 2010 59. C.G.Haba, Using Virtualization for Saving Hardware and Software Upgrading Costs in University Laboratories, Proceedings of The 3rd International Symposium on History of Electrical Engineering and Tertiary Level Engineering Education, 27-29 October 2010 - Iaşi, Romania, ISBN-978-606-13- 0052-5, pp. 86-89, 2010 60. L. Breniuc, C.G.Haba, V.David, Educational Network Designed for the Development of Wireless Applications, Proceedings of the 6th International Conference on Electromechanical and Power Engineering, SIELMEN 2009, Iaşi 8-9 October, 2009, pp. 399-404, 2009. 61. V.Bahrin, C.G.Haba, Imbunatatirea performantelor sistemelor automate, Conferinta Instalatii pentru constructii si economia de energie, Iasi, 5-6 iulie 2007, pp. 361-266, 2007. 62. V.Bahrin, C.G.Haba, Aprecierea cantitativa a procesului conversiei electromecanice a energiei din servomotoarele electrice, Conferinta Instalatii pentru constructii si economia de energie, Iasi, 5- 6 iulie 2007, pp., 367-370, 2007. 63. V.Bahrin, C.G.Haba, Utilizarea supraconductorilor la stocarea magnetica a energiei, SME 2007, Cluj-Napoca, 2007, pp. 64-69, 2007. 64. C.C. Pruteanu, C.N. Calistru, C.G.Haba, Placement Algorithms Optimization Based On Geometric Partitioning And

	Global Routing, V International Conference on Microelectronics and Computer Science, ICMCS 2007, September 19-21, 2007, Chisinau, Moldova, vol.1 ISBN 978-9975- 45-046-1, pp.367-369, 2007. 65. C.N. Calistru, C.G.Haba and C.C. Pruteanu, Intelligent Tuning Of PID Robust Controllers, V International Conference on Microelectronics and Computer Science, ICMCS 2007, September 19- 21, 2007, Chisinau, Moldova, vol.1 ISBN 978-9975-45-046-1, pp.209-218, 2007. 66. C.G.Haba, L.Breniuc, V.Bahrin, Tehnologiile în sistemul de învăţare la distanţă INDIPHASO, Educon 2006, 17-18 Noiembrie 2006, Iaşi, Romania, pp. 1-6, 2006. 67. C.G.Haba, L.Breniuc, Evaluarea online a abilităţilor pentru obţinerea certificatului ECDL, A IV-a Conferinţă Naţională de Invăţământ Virtual, 27-29 octombrie 2006, Bucureşti, pp.305-310, 2006. 68. C.G.Haba, L.Breniuc, V.Bahrin, Collaborative work within the INDIPHASO e-learning system, Distance Learning Workshop 2006, 23-24 November, Katowice, Polonia, pp. 28-35, 2006. 69. C.G.Haba, A. Ungureanu, Increasing Laboratory Efficiency Using E-Learning Tools, Proc. of the 17th EAEEIE Annual Conference on Innovation in Education for Electrical and Information Engineering, ISBN 973-742-350-X, June 1-3, 2006, Craiova, Romania, pp. 11-18, 2006. 70. C.G.Haba, V.Bahrin, Utilizarea programelor software de proiectare a circuitelor numerice în cadrul sistemului de învăţare la distanţă INDIPHASO, E-Learning şi software educaţional, Sesiunea Anuală de comunicări ştiinţifice cu participare internaţională, Strategii XXI/2006, ISBN 973-7854-35- 713-14 aprilie 2006, Bucureşti, pp. 55-64, 2006. 71. C.G.Haba, V.Bahrin, Utilizarea automatelor programabile pentru testarea sistemelor de comandă, Instalaţii pentru construcţii şi economia de energie ediţia XVI, Iaşi, Romania, iulie 2006, ISBN (10) 973-667-189-5, pp. 316-320, 2006. 72. V.Bahrin, C.G.Haba, Caracteristicile termice ale servomotoarelor de c.c. excitate cu magneţi permanenţi în serviciul intermitent de funcţionare, Instalaţii pentru construcţii şi economia de energie ediţia XVI, Iaşi, Romania, iulie 2006, ISBN (10) 973-667-189-5, pp. 401-404, 2006. 73. V.Bahrin, C.G.Haba, Consideraţii asupra parametrilor servomotoarelor de c.c. excitate cu magneţi permanenţi, Instalaţii pentru construcţii şi economia de energie ediţia XVI, Iaşi, Romania, iulie 2006, ISBN (10) 973-667-189-5, pp. 405-408, 2006. 74. C.G.Haba, V. Bahrin, Improving Laboratory Works Using e-Learning Tools, Proceedings of 6th International Conference Virtual University, 15-16 December 2005, Bratislava, Slovak Republic, pp. 146-150, ISBN 80-227-2336-3, 2005. 75. C.G.Haba, Carmen Cojocaru-Filipiuc, V. Bahrin, Simulation Using Programmable Logic Controllers, 5th International Conference on Electromechanical and Power Systems, SIELMEN 2005, October 6-8, 2005, Chisinau, Rep.Moldova, pp. 691-694, 2005. 76. C.G.Haba, L.Breniuc Utilizarea sistemului de învăţare la distanţă INDIPHASO pentruproiectarea aplicaţiilor digitale, Lucrările Conferinţei Naţionale de Învăţământ Virtual: ediţia a III-a, Bucureşti, 28-30 octombrie, 2005, pp. 275-282, 2005. 77. C.G.Haba, V. Bahrin, C. Pruteanu, INDIPHASO e-Learning System - Access to Software Tools for Digital Design, Proceedings of Distance Learning Workshop 2005, 19-21 October, Ustron, Poland ISBN 83-922374-0-4, pp.1-8, 2005. 78. A. Creţu, Carmen Cojocaru-Filipiuc, C.G.Haba, On an Error Compensation Electronic Procedure for the Inductive Voltage Divider, 5th International Conference on Electromechanical and Power Systems, SIELMEN 2005, October 6-8, 2005, Chisinau, Rep.Moldova, pp. 909-911, 2005. 79. A. Creţu, Carmen Cojocaru-Filipiuc, C.G.Haba, Inductive Voltage Divider Compensated with Electronic Amplifier Insulated with the Ratio Windings, 5th International Conference on Electromecanical and Power Systems, SIELMEN 2005, October 6-8 2005, Chisinau, Rep.Moldova, pp. 912-914, 2005.

	80. M.Antoniu, C.G.Haba, E. Antoniu, F. Cotnareanu, A new method for static electrisation measurements of insulating floor in electronic and computer workspaces, 12ème Congrès International de Métrologie, Lyon (France), 20-23 juin 2005, CD-ROM paper n°132, pp. 1-6, 2005. 81. Carmen Cojocaru-Filipiuc, C.G.Haba, A. Creţu, A Rectangular Current-Fed Brushless D.C. Motor with Phase and Width Control of Conduction Signals, 13th International Symposium on Power Electronics - EE 2005 Novi Sad, Serbia & Montenegro, November 2- 4, 2005. 82. M.Antoniu, C.G.Haba, E.Antoniu, C.Maranduca, A Capacitive Angular Speed Sensor, SFE 2004, 4ème Conférence SFE, Poitiers, 2-3 septembre 2004, ISBN 2-9505432-4-3, pp. 436-442, 2004. 83. V.Bahrin, C.G.Haba, Răcirea forţată a servomotoarelor de curent continuu cu magneţi permanenţi, Conferinţa tehnico-ştiinţifică Instalaţii pentru construcţii şi economia de energie, 1-2 iulie 2004, Iaşi, România, pag. 255-260, 2004. 84. V.Bahrin, C.G.Haba, Consideraţii asupra miniaturizării servomotoarelor electrice, Conferinţa tehnico-ştiinţifică Instalaţii pentru construcţii şi economia de energie, 1-2 iulie 2004, Iaşi, România, pp. 261-264, 2004. 85. C.G.Haba, A.O.Palade, C.Huţanu, Web-Based Digital Design Laboratory with Reconfigurable Hardware, VU 2004, Bratislava, Slovacia, 2004, pp.286-290, 2004. 86. A.Videnie, C.G.Haba, C.Huţanu, Resource Management of an e-Learning System for the Design of Hardware-Software Applications, VU 2004, Bratislava, Slovacia, 2004, pp.241-245, 2004. 87. C.G.Haba, V.Bahrin, e-Evaluation of Prototyping Boards, Proceedings of Development and Application Systems DAS 2004, 27-29 May 2004, Suceava, Romania, pp. 361-365, 2004. 88. C.G.Haba, Remote Access to Temperature Measurement System, SIELMEN 2003, Chişinău, vol. II, pp. 163-166, 2003. 89. V. Bahrin, C.G.Haba, Consideration regarding the optimization of multivariable dynamic processes described by linear models, Ee2003, Novi Sad, Serbia and Montenegro, T6-1.2, pp. 1-5, 2003. 90. V. Bahrin, C.G.Haba, Considerations regarding the rejection of perturbations in DC electric drive systems, Ee2003, Novi Sad, Serbia and Montenegro, T4-2.7, pp. 1-4, 2003. 91. V. Bahrin, C.G.Haba, Considerations regarding the behaviour of an ellipsoidal shield situated in electromagnetic field, Proceedings of XIII International Conference on Electromagnetic Disturbances 2003, Byalistok, Poland, 24-26 September 2003, pp. 2.1-1-2.1-4, 2003. 92. C.G.Haba, C.Huţanu, M.Postolache, A New Method For The Decomposition Of Complex Automata, 7th International Symposium on Automatic Control and Computer Science SACCS, Iaşi, Romania, October 26-27, 2001, ISBN973-8292-11-5, 2001. 93. C.G.Haba, L.Breniuc, Sisteme de dezvoltare cu microcontroler şi circuit programabil utilizate în laboratorul de comanda maşinilor electrice, A III-a Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, SIELMEN 2001, Chişinău, vol.III, pp. 161-164, 2001. 94. L. Breniuc, A. Sălceanu, C.G.Haba, Interfaţă biprocesor realizată cu un circuit programabil de tip CPLD, A III-a Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, SIELMEN 2001, Chişinău, vol.III, pag259-262, 2001. 95. L. Breniuc, C.G.Haba, A. Sălceanu, Interfaţă biprocesor de tip FIFO realizată cu un circuit programabil FPGA, A III-a Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, SIELMEN 2001, Chişinău, vol.III, pp.263-266, 2001. 96. C.G.Haba, L. Breniuc: Cube Set Representation Using BDDs, Sintes 10, Craiova, May 25-26, 2000, pp. C-221 - C-224, 2000. 97. L.Breniuc, C.G.Haba, C.Sarmasanu: The Possibility of Implementing a Nonlinear Approximation Successive A/D

	Converter Using FPGAs, XVI IMEKO World Congress and 5th International Workshop on ADC Modelling and Testing, Wien Austria, 26-28 sept. 2000, pp 73 – 78, 2000. 98. C.G.Haba, P.Haba Using Fem For The Optimization Of Ferromagnetic Sensors, Fourth International Workshop on Electric and Magnetic Fields, From Numerical Models to Industrial Applications, Marseille, France, 12-15 May 1998, pp.273-279, 1998. 99. C.G.Haba, Using VLSI design tools for Finite State Machine Implementation. Proceedings of the A&Q 98 International Conference on Automation and Quality Control, Cluj-Napoca, Romania, May 28-29, 1998, pp Q167-Q172, 1998. 100. C.G.Haba, Using Functional Cache to Speed Computation in FSM Design, Proceedings of the A&Q 98 International Conference on Automation and Quality Control, Cluj-Napoca, Romania, May 28-29, 1998, pp.Q172-Q178, 1998. 101. C.G.Haba, Finite State Machine Decomposition using Implicit Techniques, Proceedings of Sintes 9 International Symposium on Systems Theory, Robotics and Process Informatics, Craiova, Romania, June 4-6 1998, 1998. 102. C.G.Haba, P.Haba, Feromagnetic Sensors using Fluxgates, Proceedings of International Conference on Applied and Theoretical Electricity, Icate98, Craiova, România, June 4-6 1998, pp.32- 37, 1998. 103. C.G.Haba, C.Huţanu New Boolean Function Representations Using ROBDDs. Proceedings of the Automatic Control and Test Conference, Cluj, Romania, 23-24 May 1996, pp. 201-207, 1996.
	Invenții și brevete (punctul J din Anexa A.3.7)
	1. C.D.Gălățanu, C.G.Haba, Turn auto-portant de observație a surselor de poluare luminoasă, Cerere de brevet de invenție 2. C.D.Gălățanu, C.G.Haba, Etalon de luminanță cu auto calibrare și monitorizare în IoT, Cerere de brevet de invenție 3. C.G.Haba, Dispozitiv pentru determinarea caracteristicilor de încovoiere, de răsucire și a frecvenței de rezonanță a unui obiect lamelar și metodă de generare a modelelor de variație a sarcinilor aplicate, Cerere de brevet de invenție A/00921/2019 4. C.G.Haba, C.D.Gălățanu, D.Petrișor, Aparat de iluminat cu LED-uri, Cerere de brevet de invenție A/00296/2019 5. C.G.Haba, Sistem de încălzire configurabil cu panouri radiante modulare, Cerere de brevet de invenție A/01162/2017 6. C.G.Haba, Dispozitiv pentru distribuirea mai multor lichide, Cerere de brevet de invenție A/00368/2017 7. Bahrin V., C.G. Haba, Carmen Cojocaru, Consideration regarding the Model Reference Control System for Speed Control of D.C. Motor, Electricity 2004, Israel, http://www.seeei.org.il/articles.asp. 8. Carmen Cojocaru, A. Creţu , C.G.Haba, Phase and Width Control of Conduction Signals in a Rectangular Current Fed Brushless D.C. Motor, Electricity 2004, Israel, http://www.seeei.org.il/articles.asp. 9. A. Creţu, Carmen Cojocaru, C.G.Haba, About a Circuit Diagram for the Automatic Error Compensation Of An Inductive Voltage Divider, Electricity 2004, Israel, http://www.seeei.org.il/articles.asp. 10.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Autoclusters - The international cooperative network of educational and research institution with subcontractors and other bodies active in Automotive Industry, SEE EoI/A/594/1.2/X, Transnational South East Europe Program, Valoare UTI 158 000 EUR, 2009-2012, Coordonator local 2. Procesor pentru temperatura de culoare a aparatelor de Iluminat cu LED si garantie extinsa PCAI,PN-III-P2-2.1-CI-2018-0965, Parteneri Greentek Lighting, SRL si Universitatea Tehnică "Gheorghe Asachi" Iaşi, Membru 3. Sistem inteligent de luminantmetre digitale şi calibratoare de luminantă în IoT, PN-III-P2-2.1-CI- 2018-1287, Parteneri ELBA-COM S.A si si Universitatea Tehnică "Gheorghe Asachi" Iaşi, Membru

	4. Sistem IoT de măsurare imagistică pentru temperatura de culoare si luminantă, PN-III-P2-2.1- CI-2018-1490 Parteneri Electro Max SRL si Universitatea Tehnică "Gheorghe Asachi" Iaşi, Membru 5. Studiu privind posibilitatea de apariţie a supratensiunilor la conectarea-deconectarea maşinilor asincrone la reţea. Beneficiar: Enerconstruct Servicii – Bucuresti, Contract 12115P/15.12.2009, 2009 Director: Conf .dr. ing. Voinea Radu COCIU, Membru 6. PSICOME - Utilizarea circuitelor integrate programabile de tip FPGA si CPLD in proiectarea sistemelor de comanda a maşinilor electrice Grant CNCSIS, Cod 233, GR 33/25.06.2007. Tema 12/2007 Suma grant 34000 RON, Tema 18/2008 Suma grant 38702 RON, 2007-2008, Director de grant 7. Extinderea posibilităţilor de măsurare continua on-line a parametrilor poluanţi din apa si aer pentru un laborator de mediu. Proiect CEEX 110/2006, Valoare contract: 187000 RON (2006), 550600 RON (2007). Contractant RENAR Bucuresti, Director grant. Prof.dr.ing. Cristian Fosalau, 2006-2007, Membru 8. Utilizarea tehnologiilor informaţionale pentru învăţarea si perfecţionarea diagnosticului imagistic in patologia maxilo-faciala, Grant CNCSIS, Cod 1204, GR 18/09.05.2007, Valoare grant 10 000 RON, Membru. Director grant Conf.dr.ing. Danisia Haba (UMF Iaşi), 2004-2007 9. INDIPHASO: Sistem de învăţare la distanţă pentru proiectarea aplicaţiilor hardware-software încapsulate, Grant tip A cu CNCSIS, Tema 26/2004, cod CNCSIS 516, Valoare grant: 100 milioane lei, Tema 31/2005, cod CNCSIS 516, Valoare grant: 120 milioane lei, Tema 41/2006 Valoare grant: 135 milioane lei, 9 participanţi, Director de grant,2004-2006, Director de grant 10. Studii asupra îmbunătăţirii performantelor sistemelor de acţionare din industria chimică. Beneficiar: SC Moldochim SA Iasi, Valoare contract 10 mil lei Contract nr. 1534P/21.07.2003, membru, Director contract Prof.dr.ing. Vasile Bahrin, 2003, Membru 11. Studii asupra eficientizării instalaţiilor de dozare din industria chimică. Beneficiar: SC Direct SRL Iasi, Valoare contract 10 mil lei Contract nr. 1533P/21.07.2003, membru, Director contract Prof.dr.ing. Vasile Bahrin, 2003, Membru 12. Introducerea metodelor de coproiectare hardware/software pentru realizarea sistemelor de măsurare complexe, Grant tip A cu CNCSIS, cod 223 contract 3529/2001, tema 46, Valoare grant 55 mil lei, membru, Director grant Prof.dr.ing. Liviu Breniuc, 2001-2002,Membru 13. Sinteza circuitelor numerice secvenţiale prin metode implicite folosind diagrame de decizie binara, Grant tip T cu ANSTI, tema B27/2000. Valoare grant: 20 milioane lei, Grant tip T cu ANSTI, A32/2001. Valoare grant: 22,1 milioane lei, 4 participanţi, 2000-2001, Director de grant 14. Calculul câmpului, proiectarea, realizarea și încercarea pe stand a unor modele experimentale de motoare cu reluctanță variabilă cu rotor anizotrop și colivie Grant CNCSIS 35259/2001 Tema 43, 33479/2002, Tema 14, Valoare contract 46000000 ROL (2002), 46000000 ROL (2002), Director grant Prof.dr.ing. Al. Simion, 2001-2002. Membru 15. SCAPREME – Studiul câmpului, proiectarea și realizarea unor modele experimentale de motoare electrice de construcție specială, Grant ANSTI 6177/2000 Tema B23, Grant ANSTI 6177/2000 Tema A26, Valoare contract 37000000 ROL (2000), 57400000 ROL (2001), Director grant Prof.dr.ing. Al. Simion, 2000-2001, Membru F1 Arphymedes - AR Physics Made for Students, Projcect Erasmus+ 2020-1-SK01-KA201-078391, 2020-2023, Membru F2 TecTNet - Technological Transfer Network, Proiect Tempus, 2013-2015, 544197-TEMPUS-1- 2013-1-IT-TEMPUS-JPHES, 2013-2016 Membru F3 Creation reseau universites thematiques en Sciences appliquees et Sciences economiques en Moldavie Proiect Tempus, 516597-TEMPUS-1-2011-1-FR-TEMPUS-JPCR, 2011-2014, Membru 16. DidaTec - Scoală universitară de formare inițială și continuă a personalului didactic și a tinerilor din domeniul

	specializărilor tehnice şi inginereşti, POSDRU 87/1.3/S/60891, 2012, Expert pe termen scurt și Mentor. 17. ISMO, Contributors: S. Milchev, R. Lafchieva, N. Madzharov, M. Regner, A. Antal, K. Illés, E. Vágusz, C. Hutu, C. Istrate, C.G. Haba, M. Turner, M. Cambal, D. Caganova, Z.G. Babelova, J. Sujanova, L. Cerna, L. Jahnatek, S. Janosikova, B. Ivanovič, T. Pajnkihar, T.Savšek, Social dialogue in automotive sector in South East Europe, (http://www.autoclusters.tuiasi.ro/downloads/Report_Social%20Dialogue_Automotive_Sector_SEE .pdf), 83 pg, 2012 18. V. Švač, T, Igllicar, B, Mihalič, C.G. Haba, N. Madzharov, R. Ilarionov, I. Vijatov, M. Regner, Z. Kabács, Analysis of Electromobile Infrastructure in South-East Europe Countries, http://www.autoclusters.tuiasi.ro/downloads/E-MOBILITY%20ANALYSIS_Work%20Version_1.0.pdf) 52 pg, 2011. 19. Dezvoltarea unui sistem operational al calificarilor din invatamantul superior din Romania (DOCIS), POSDRU-/2/1.2/S/2, 2011, Expert pe termen scurt 20. Doctoratul in Scoli de Excelenta - Evaluarea calitatii in universitati si cresterea vizibilitatii prin publicarea stiintifica, POSDRU /5/1.5/S/2, 2011, Director Proiect Prof. Dr. Ing. Ioan DUMITRACHE, Expert-colaborator 21. SEEE-MOBILITY - Electromobile infrastructure analysis in South East Europe, 9500 EUR, 2010- 2011, Coordonator local 22. Automotivenets - Ph.D. Students Competition on Innovation in the Automotive Sector, 5300 EUR, 2010-2011, Membru 23. Editors team: V. Švač, Š. Chudoba, J. Bárta, D. Bušen, B. Mihalič, A. Antal, D. Borsellino, C.G., Haba, N. Madzharov, S. Stancheva, D. Vratonjic, Innovation Trends and Challenges and Cooperation Possibilities with R&D in Automotive Industry, (http://www.autoclusters.tuiasi.ro/downloads/rd%20study.pdf), 101 pg, 2010 24. APNB Ltd, Contributors: Š. Chudoba, D. Borsellino, C.G. Haba, N. Madzharov, S. Stancheva, D. Caganova, D. Bušen, B. Mihalič, D. Vratonjic, Study of EU Policies and Business Strategies on the Development of the Automotive Industry in South East Europe, (http://www.autoclusters.tuiasi.ro/downloads/study%20on%20eu%20polices.pdf), 266 pg, 2009 25. Eliberează-ţi creativitatea (F2 – Freescale your freemind), contract 3137/28.01.2008, Finanţator: Continental Automotive (fost Siemens VDO), Valoare contract 4870 EUR, 2008, Director de proiect 26. Review of IMO iSmart, https://www.element14.com/community/roadTestReviews/1315/l/review- of-imo-ismart 27. Smartwire-DT Roadtest (Part I), https://www.element14.com/community/blogs/cghaba_EatonSmartWireRoadTest/2013/04/23/smar twire-dt-roadtest-part-i 28. Smartwire DT Road Test (Part II) Programming, https://www.element14.com/community/blogs/cghaba_EatonSmartWireRoadTest/2013/06/05/smar twire-dt-road-test-part-ii-programming 29. DLP® Pico™ Display Projector EVM-BeagleBone Black – Review, https://www.element14.com/community/roadTestReviews/2629/l/dlp-pico-display-projector-evm- beaglebone-black-review 30. New Year's Grab Bag RoadTest – Review, https://www.element14.com/community/roadTestReviews/2975/l/new-years-grab-bag-roadtest- review

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Lucache Dumitru	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**

Prof. dr. ing.	1. Elena Serea, D.D. Lucache, Managementul iluminatului public și arhitectural: aplicații. Ed. PIM Iași - 2025, ISBN: 978-606-13-7503-5, pp. 118 2. K.Susman, S.Dolenc, J.Pavlin, A. Marcek-Chorvatova, LubicaVareckova, P.Muursepp, D.D.Lucache, C.G.Haba, M.Cantarella, G.Ursino, M.Simopoulou, G.Ladas, ARphymedes: Ghidul profesorului, Ed. Performantica, Iași - 2023, ISBN 978-630-328-025-7, 75 pag. 3. D.Lucache, G.Livinţ – Lagăre magnetice axiale. Structuri şi control. Editur SETIS (Editură recunoscută CNCSIS), Iaşi, 2009, 194 pag.1. 4. D.Lucache, CAD of Electrical Installations, Course and application notes, 97pg. (www.learning.tuiasi.ro), 2018 5. D.Ioachim, G.Paicu, D.Lucache (cap.4 – 48pg.), Utilizări ale energiei electrice. Instalaţii electrotermice. Tipografia UTI 2001.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Balan, G., Neninger, P., Ruiz Zúñiga, E., Serea Elena, Lucache, D. D., Sălceanu, A. A Perspective on Software-in-the-Loop and Hardware-in-the-Loop Within Digital Twin Frameworks for Automotive Lighting Systems. Applied Sciences, 2025, 15(15), 8445. IF = 2.5 2. Ali-Tagba, A.-R.; Baneto, M.; Lucache, D.D. "Factors Influencing the Energy Consumption in a Building: Comparative Study between Two Different Climates." Energies 2024, 17, 4041. https://doi.org/10.3390/en17164041 (IF: 3) 3. A.V. Rusu, C.D. Galatanu, G. Livint and D.D. Lucache, „Measuring Average Luminance for Road Lighting from Outside the Carriageway with Imaging Sensor", Sustainability 2021, 13(16), 9029, ISSN: 2071-1050, Publisher: MDPI, DOI: 10.3390/su13169029, (IF: 3.251) 4. A.V. Rusu, C.D. Galatanu, G. Livint and D.D. Lucache, „ Average Luminance Calculation in Street Lighting Design, Comparison between BS-EN 13201 and RP-08 Standards", Sustainability 2021, 13(18), 10143, ISSN: 2071-1050, Publisher: MDPI, DOI: 10.3390/su131810143, (IF: 3.251) 5. G. Chiriac, D.D. Lucache, C. Nițucă; A. Dragomir; S. Ramakrishna, "Electric Bus Indoor Heat Balance in Cold Weather", Applied Sciences 2021, 11(24), ISSN: 2076-3417, Publisher: MDPI, DOI: 10.3390/app112411761, (IF: 2.838) 6. M.A. Boukli Hacene, D. Lucache, H. Rozale and A. Chahed, „Renewable Energy in Algeria: Desire and Possibilities", Journal of Asian and African Studies, Jan 2020, https://doi.org/10.1177/0021909619900202, (IF: 0.433) 7. M.H. Soulounknga, D.D. Lucache, S.Y.Doka, "Evolution of the manufacturing technology of photovoltaic panels and factors affecting their performance", Bul. Inst. Polit. Iaşi, Vol. 67 (71), Nr. 4, 202, DOI: 10.2478/bipie-2021-0024 8. Y. Benazouzi, H. Rozale, M. A. Boukli Hacene, M. Khethir, A. Chahed, and D. Lucache, "Electronic and Thermoelectric Properties in Li-Based Half-Heusler Compounds: A First Principle Study", Annals of West University of Timisoara Physics, Vol. LXI, 2019, DOI: 10.2478/awutp-2019-0004, pp.44-55 9. C.D.Gălăţanu, M.Ashraf, D.D.Lucache, D.Beu, C.Ciugudeanu, „Optical Utilization Factor for Architectural Lighting", Light & Engineering/Svetotekhnika, Vol. 27, No. 6, 2019, pp. 49-57 (IF:) 10. Horga V., Lucache D.D., Albu M., „Grey-Box Direct Identification of PMBDC Electrical Machine Parameters Based on Continuous-Time Model", ACTA ELECTROTECHNICA, Vol. 57, No. 3-4, 2016, Special Issue, ISSN 2344-5637, pp.517-523 11. Lucache D.D., Galatanu D.C., Dănilă E., „Factors Involved in Choosing LEDs for General Lighting Applications: a Critical Review", AnaleleUniversitaii din Craiova, Serie Inginerieelectrica, Anul 39, nr.39, ISSN 1842-4805, pp. 138-143, 2015. 12. DănilăE.,LucacheD.D.„„PVpowersourceestimation foracustom-designedgrowing-

	plantlightingsystem",ActaElectrotehnicaJournal(BDI:VINITI),ActaElectrotehnica,nr.3,Proceedingsof6th InternationalConferenceon Modern PowerSystems2015,pg.77-82 13. RakotomalalaL.F.F.,RandriamanantanyZ.,ChiriacG.,LucacheD.„HIDLampsDimmingPossibilitiesintheAfrica'sLightingSystemsContext",AnnalsoftheUniversityofCraiova,ElectricalEngineering series,No.38,2014; ISSN 1842-4805,pp.243-249 14. E.Danila,D.D.Lucache,„Costeffectivenessofgrowingplantlighting system",Journal of ElectricalEngineering vol.13no.4,2013,pg.224-230,ISSN1582-4594(IEEINSPEC, SCOPUSIndex,factordeimpact0.967). 15. E.Danila,D.D.Lucache,"Autonomyimprovementofdatacenterbackupsourceswithsupercapacitors",ActaElectrotehnicaJournal(BDI:VINITI),volume54,no.5,2013,ISSN1841-3323,pg.147-152 16. E.Dănilă,C.Damian,D.D.Lucache,"Energymanagementinalaboratorycomputergrid,"WESC2012 ConferenceProceedings,BuletinulAGIRnr.1ianuarie-martie2012,ISSN –L 1224-7928. 17. DorinLucache,DanIoachim,GabrielChiriac,"Ontheefficiencyandpowerfactorofthecrucibleinductionfurnaces"BuletinulACIRnr.4/2011,octombrie-decembrie,pg.149-154,ISSN:1224-7928. 18. Al.Simion,L.Livadaru,D.Lucache,Computer-aidedsimulationonthereversingoperationofthetwo-phaseinductionmachine,InternationalJournalofMathematicalModelsandMethodsinAppliedSciences,Iss.1,Vol.3,2009,EditedbyNorthAtlanticUniversityUnion,Availableon-linehttp://www.naun.org/journals/m3as/,ISSN 1998-0140,pp.37-47 19. D.Lucache,A.Aparaschivei,G.Chiriac,Shortoverviewontheuninterruptiblepowersystems,ActaElectrotehnicaSpecialIssue–Proceedingsofthe2ndInternationalConferenceonModernPowerSystems,MPS2008,12-14November2008,Cluj-Napoca,MediamiraSciencePublisher,ISSN 1841-3323,pp.370-373 20. D.Lucache, A.Bulgaru, D.Ioachim, Electro-osmosis in dewatering pulp and paper waste sludge, AnaleleUniversităţii din Craiova, Seria: Inginerieelectrică, Anul 32, nr.32, 2008, pp. 86-89 21. V.Horga, D. Lucache,M.Ratoi,A.Simion,M.Albu, Robust Control Strategy to Parameter Variations for an Interior PM Synchronous Machine, WSEAS TRANSACTIONS on SYSTEMS AND CONTROL,Issue 5, Volume 3, May 2008, ISSN 1991-8763,pp. 453-462 22. Simion Al., Livadaru L., Lucache D., Romila E., "FEM Analysis of the Third Order Harmonics of a Two-Phase Induction Machine", Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energetique, Tome 52, Vol.1, pp.23-32, EdituraAcademieiRomâne, Bucureşti 2007, ISSN: 23. Gh.Livinţ, D.D.Lucache, G.Paicu, „Crone control of an axial magnetic bearing", ELECTROMOTION Journal Vol.10, No.4, October-December2003,ISSN 1223-057X,vol.2,pp.518-522 24. D. Ioachim, M.Nemescu, D. Lucache, Study of Transient Regime of the Fluorescent LampMountingsUsing Magnetic Starter, Rev. "Ingineria Iluminatului", An V, nr.11 (Summer)-2003, pp. 23-28, ISSN 1454-5837
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Livinţ, G., Lucache, D. D., Dănilă, Elena. On controllingthe magnetic suspension of a flywheelsystem, Rev. Meridian Ingineresc. 2010, nr. 4, pp. 26-30. ISSN 1683-853X 2. LucacheD.,IoachimD.,A.Bulgaru,ChiriacG.,Improvingthecellulosicsludgedewateringbyelectroosmosis,BuletinulInstitutuluiPolitehnicIaşi,TomulLIV(LVIII),fasc.4,2008Electrotehnică,Energetică,Electronică,pp.1091-1098 3. ChiriacG.,LucacheD.,Problemsregardingtheenergyconsumptionfortheelectrictrains,BuletinulInstitutuluiPolitehnicIaşi,TomulLIV(LVIII),fasc.4,2008Electrotehnică,Energetică,Electronică,pp.1045-1050 4. PetrescuMarian,LivintGh.,LucacheD.,CANcontrolsystemforanelectricvehicle,BulletinofthePolytechnicInstituteofIasi,tom LIV(LVIII),FASC.4, 2008,ISSN1223-8139,pp.1033 –1038

5. D.Lucache,V.Horga,M.Răţoi,M.Albu,Real-timecontrolofanintegratedstarter-alternatorforautomotiveapplications,RevistadeinventicăNr.58,vol.X,anXVII–2007,ISSN1210-3084,pp.67-72
6. SimionAl.,LivadaruL.,CojanMargareta,LucacheD-D.,“Educationalapproachonthespeedregulationofthethreephaseinductionmotorsthroughpolechanging”,Bul.Inst.Polit.Iaşi,tomLI(LV),SecţiaŞtiinţeSocio-Umane,Fasc.5,2006,ISSN1224-5860,pp.185-196
7. IoachimD.,LucacheD.,ChiriacG.,Loadcoefficientestimationfortheasynchronousmotors,Bul.Inst.Polit.Iaşi,tomLII(LVI),SectionElectrot.,Energ.,Electronică,Fasc.5,2006,ISSN1223-8139,pp.1482-1489
8. M.Albu,D.Lucache,MRăţoi,V.Horga,FlexiblePowerMOSFETTopologyfortheAutomotiveDC-DCConvertersStudy,BuletinulInstitutuluiPolitehnicIaşi,2005,TomulLI(LV),Fasc.5,Electrotehnică,Energetică,Electronică,ISSN1223-8139,pp.217-224.
9. LivintG.,HorgaV.,RăţoiM,LucacheD.,AlbuM.,“PrototypingstationforelectricdrivesofHEVs”,Bul.Inst.Polit.Iaşi,tomLI(LV),S.Electrot.,Energ.,Electronică,fasc.5,2005,pp.217-224,ISSN 1223-8139
10. RomilaE.,SimionAl.,LivadaruL.,LucacheD.,”Studyofthemagneticfieldoftheinductionmachinewithringwindingandvariblenumberofpoles”Bul.Inst.Polit.Iaşi,tomLI(LV),S.Electrot.,Energ.,Electronică,fasc.5,2005,pp.217-224,ISSN 1223-8139
11. LucacheD-D.,SimionAl.,DamianI.,“Onahybrid-excitationclaw-polemachinesforautomotiveapplications”,BuletinulInstitutuluiPolitehnicIASI,TomulL(LIV),Fasc.5C,SectiaElectrotehnica,Energetica,Electronica,2004,ISSN 1223-8139,pp.1313-1318
12. D.Ioachim,D.Lucache,M.Nemescu,G.Chiriac,Variantforanelectromagneticballastforduotypemounting,BuletinulInstitutuluiPolitehnicIASI,TomulL(LIV),Fasc.5C,SectiaElectrotehnica,Energetica,Electronica,2004,pp.1405-1408,ISSN1223-8139
13. PoboroniucM.,PopescuC.D.,LivintG.,LucacheD.,PetrescuM.,NewdevelopmentsinassistingthephysicallyimpairedpersonsfortrainingandassessmentbymeansofFES,,BulletinofthePolytechnicInstituteofIasi,tomL(LIV),Fasc.5A,pp.116-119,October7-8,2004,Iasi,Romania,ISSN 1223-8139
14. Gh.Livinţ,D.D.Lucache,G.Paicu,Cronecontrolofanaxialmagneticbearing,ELECTROMOTIONJournalVol.10,No.4,October-December2003,ISSN1223-057X,vol.2,pp.518-522
15. D.Ioachim,M.Nemescu,D.Lucache,StudyofTransientRegimeoftheFluorescentLampMountingsUsingMagneticStarter,Rev.”IngineriaIluminatului”,AnV,nr.11(Summer)-2003,pp.23-28,ISSN1454-5837
16. D.D.Lucache,Gh.Livint,G.Paicu,C.N.Damiean,“Alowcosteddy-currentstransducerformagneticbearings”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLVIII(LII),Fasc.5B,2002,pp.295-298,ISSN: 0258-9109
17. M.V.Nemescu,D.D.Lucache,M.Temneanu,“SlowoscillationsindampednonlinearsystemsdescribedbyDuffingequation”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLVIII(LII),Fasc.5B,2002,pp.97-102,ISSN: 0258-9109
18. Gh.Livinţ,D.D.Lucache,“Controlstructuresforanaxialmagneticbearing”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLVIII(LII),Fasc.5B,2002,pp.75-80,ISSN: 0258-9109
19. Gh.Livint,D-D.Lucache,D.Zamfir,“Therobustcommandofanaxialhybridmagneticbearing”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLVI(L),Fasc.5, 2000,pp.249-255
20. G.Paicu,D-D.Lucache,“Considerationsabouttheachievementofthecompactelectricdrivessystems”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLVI(L),Fasc.5,2000,pp.260-265

	21. D-D.Lucache,ElenaŞerban,D.Patelli,G.Paicu,“NumericalendexperimentalinvestigationofaPMinductivespeedtransducer”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5A,1999 22. G.Paicu,D-D.Lucache,“Asynchronousgeneratorswitharch-statoranddisk-rotordedicatedtothewind-drivenpowerstations”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.214-217 23. G.Paicu,D-D.Lucache,“Build-uppossibilityasautonomusgeneratorofanasynchronousmachinewitharch-statorandisk-rotor”,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.210-213 24. A.Simion,L.Livadaru,D.Lucache,S.Calugareanu,M.Cojan,Studyofmagneticfieldproducedbyatwo-phaseinductionmachinewithconcentratedwindings,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.234-237 25. D.Ioachim,L.Cantemir,D.Lucache,R.Pentiuc,Workingcharacteristicsoftheinductiveballast,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B, 1999,pp.59-62(indexatăînInspec) 26. D.Ioachim,L.Cantemir,R.Pentiuc,D.Lucache,Efficiencyofthecapacitiveballast,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.62-65(indexatăînInspec) 27. D.Ioachim,L.Cantemir,D.Lucache,R.Pentiuc,Experimentalresultsabouttheworkingcharacteristicsofthecapacitiveballast,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.67-70(indexatăînInspec) 28. D.Ioachim,L.Cantemir,R.Pentiuc,D.Lucache,Theoreticalandexperimentalresultsaboutthefluorescentlampassemblies,BuletinulInstitutuluiPolitehnicIaşi,TomulXLV(IL),Fasc.5B,1999,pp.71-74(indexatăînInspec) 29. Graur,I.,Taşcă,Gr.,Albu,M.,Mareş,A.,Horga,V.,Lucache,D.,NumericalSimulationoftheStabilizedFunctioningRegimeofSomeElectricalDriveSystemsUsedinMetallurgicalIndustry, Buletinul Institutului Politehnic Iaşi, Tomul XLII (XLVI), fasc. 1-2, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1996, pp.129-136. 30. D. Lucache , G. Paicu, “The use of infraredradiationtodrytheunburnedbricks”, Buletinul I.P.I., Tomul XLI(XLV), Fasc. 5, sectia III, 1995, pp.763-768 31. Graur, Gr. Taşca, A. Graur, D. Taşca, M. Mares, D. Lucache, V. Horga. “Mathematical model for stabilised state of electrical drive systemsused in metallurgicalindustry”, Buletinul I.P.I. Tomul XLI, Fasc.3-4, 1995
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. M.A.BoukliHackene, D. Lucache, „Installing PV Panels on a University Building: Comparison Between Two Different Climates”, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905832, pp. 1-6 2. G.C.Pintilie, A.T. Plesca, D. Lucache, „Thermal Analysis of Hybrid Tankless Heating System”, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905813, pp. 1-5 3. A.V.Rusu, D. Lucache, G. Livint, „Study Case for Illuminance Calculation for Footpaths”, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905919, pp. 1-6 4. A.V.Rusu, D. Lucache, G. Livint, „Assessment of Conflict Area Parameters Measurements by Using Photographic Methods”, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), 9-11 Oct. 2019, Craiova, Romania, Publisher IEEE, DOI: 10.1109/SIELMEN.2019.8905796, pp. 1-5 5. C.D. Galatanu, M. Husch, L. Canale, D. Lucache, “Targeting the Light Pollution: A Study Case”, 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems

	Europe (EEEIC / I&CPS Europe), 11-14 June 2019, Genova, Italy, Publisher IEEE, DOI: 10.1109/EEEIC.2019.8783515 6. A.V. Rusu, D.Lucache, C.D. Galatanu, "Calculation of Energy Economy by Dimming LED Lamps With Maximum Performance", 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 11-14 June 2019, Genova, Italy, Publisher IEEE, DOI: 10.1109/EEEIC.2019.8783214 7. Y.Elia, D. Lucache, E.Serea, „Battery Energy Storage Applications: Two Case Studies", 2019 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj Napoca, Romania, Publisher IEEE, DOI: 10.1109/MPS.2019.8759797, pp. 1-6 8. A.V. Rusu, D.Lucache, G.Livint, C.D. Galatanu, "Study on Illuminance Class Selection in Street Lighting Design", 2019 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj Napoca, Romania, Publisher IEEE, DOI: 10.1109/MPS.2019.8759788 9. V. Horga, M. Răţoi, M. Albu, D. Lucache, „Unified Complex Vector Current Controller for AC Machine Drives", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), 18-19 October 2018, Iasi, Romania, Publisher IEEE 2018, DOI: 10.1109/ICEPE.2018.8559643, pp. 924 – 931 10. V. Berzan, I. Ermurachi, D. Lucache, M. Albu, „98.2% Efficiency, Low Cost, 6.6-kW AC/DC Converter for HEV/EV On-Board Charger", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), 18-19 October 2018, Iasi, Romania, Publisher IEEE 2018, DOI: 10.1109/ICEPE.2018.8559641, pp. 791 – 796 11. A.V.Rusu, D. Lucache, „Economic Advantages in Proper Balancing of Phases in Street Lighting Design", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), 18-19 October 2018, Iasi, Romania, Publisher IEEE 2018, DOI: 10.1109/ICEPE.2018.8559785, pp. 953 – 957 12. C.D.Gălătanu, D.D.Lucache, „Reduction in Light Pollution by Measurements According to EN 13201 Standard", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), 18-19 October 2018, Iasi, Romania, Publisher IEEE 2018, DOI: 10.1109/ICEPE.2018.8559722, pp.1074-1079 13. A.V.Rusu, D. Lucache, „Parameters Affecting the Resistance of Earth Grounding Installation", 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), 18-19 October 2018, Iasi, Romania, Publisher IEEE 2018, DOI: 10.1109/ICEPE.2018.8559864, pp. 958 – 962 14. C.D.Gălătanu, I.Gherasim, D.Beu, D.D.Lucache, „Luminance Field of the Façades: from Aggressive to Attractive Lighting", 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 12-15 June 2018, Palermo, Italy, Publisher IEEE 2018, DOI: 10.1109/EEEIC.2018.8494624, pp.1-5 15. G. Lucache; A. Turcanu; D. Lucache; I. Nuca, „Comparative study of the level of awareness of e- waste management in Romania and Republic of Moldova", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi-Chisinau, 11-13 October 2017, Publisher IEEE 2017, DOI: 10.1109/SIELMEN.2017.8123363, WOS:000426906000082, pp. 431 – 436 16. L. Cantemir; G. Chiriac; D. Lucache, "Inventics and the Iasi school of invention: Contribution of the faculty of electrical engineering", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi-Chisinau, 11-13 October 2017, Publisher IEEE 2017, DOI: 10.1109/SIELMEN.2017.8123353, WOS:000426906000072, pp. 380 – 384. 17. Y. Elia; M.D. Istrate; D.D. Lucache; V. Nită, "Technical risks for solar tower CSP plant: A study case", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), Iasi- Chisinau, 11-13 October 2017, Publisher

IEEE 2017, DOI: 10.1109/SIELMEN.2017.8123341, WOS:000426906000063, pp.327 – 333
18. Y. Elia, D. Lucache, M. Istrate, V. Nita, “Challenges in the practical implementation of concentrating solar thermal power projects”, 10th International Conference on Sustainable Energy and Environmental Protection: Renewable Energy Sources, 27-30 June 2017, Bled, Slovenia, https://doi.org/10.18690/978-961-286-061-5.46, ISBN 978-961-286-061-5, Available at: http://press.um.si, pp.527-537
19. Šaliga, L. Michaeli, F. Jakab, D. D. Lucache and C. G.Haba, TecTNet TEMPUS project master program for improvement of innovation and technology transfer between universities and industry in Republic of Moldova, 14th International Conference on Emerging eLearning Technologies and Applications, November 24 – 25, 2016, The High Tatras, Slovakia, Publisher IEEE 2016, DOI: 10.1109/ICETA.2016.7802066, pp. 309 – 314
20. Dănilă E., Lucache D.D., „Efficient Lighting System for Greenhouses”, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 October 2016, Iasi, Romania, Publisher IEEE 2016, DOI: 10.1109/ICEPE.2016.7781379, pp.439-444
21. Gălătanu C.D., Lucache D.D., „Isolux Curves on the Diffuse Reflectance of Light on Concave Dihedral Angle”, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 October 2016, Iasi, Romania, Publisher IEEE 2016, DOI: 10.1109/ICEPE.2016.7781388, pp.487-491
22. Elia Y., Istrate M.D., Lucache D.D., Niță V., „Photovoltaic Luz Flat Tracker Power Plants”, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 October 2016, Iasi, Romania, Publisher IEEE 2016, DOI: 10.1109/ICEPE. 2016.7781393, pp. 514 – 519
23. Rakotomalala L.F.F., Randriamanantany Z., Hartopanu S., Herțanu R., Lucache D.D. „Variance of Radiometric Performances for Cool-White and Neutral-White LED Luminaries”, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 October 2016, Iasi, Romania, Publisher IEEE 2016, DOI: 10.1109/ICEPE. 2016.7781394, pp.520 – 524
24. Aparaschivei A., Steglich M, Chiriac G., Lucache D.D. „Root-Cause Analysis of Cascaded Ground Faults on an Ungrounded Distributed Network”, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 October 2016, Iasi, Romania, Publisher IEEE 2016, DOI: 10.1109/ICEPE. 2016. 7781453, pp.832 – 836
25. Horga V., Lucache D.D., Albu M., „Grey-Box Direct Identification of PMBDC Electrical Machine Parameters Based on Continuous-Time Model”, ACTA ELECTROTECHNICA, Vol. 57, No. 3-4, 2016, Special Issue, ISSN 2344-5637, pp.517-523
26. Rakotomalala L.F.F., RandriamanantanyZ. , Lucache D.D., Dănilă E., „Lens Impact Investigation on Photometric Parameters of Some LED Luminaires for Exterior Lighting”, ICATE 2016, Applied and Theoretical Electricity, 6-8 Oct. 2016, Publisher IEEE 2016, DOI: 10.1109/ICATE.2016.7754677, pp.1-6
27. Danila E., Livinț G., Lucache D.D., " Dynamic modelling of supercapacitor using artificial neural network technique", EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, Publisher IEEE, 2014, DOI: 10.1109/ICEPE.2014.6969988, Pages 642-645.
28. Danila E., Sticea D., Livinț G., Lucache D.D., "Hybrid backup power source behaviour in a microgrid", EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, Publisher IEEE, 2014, DOI: 10.1109/ICEPE.2014.6969987, Pages 637-641.
29. Rakotomalala L.F.F., Zely R., Kebe F.C.M., Danila E., Lucache D.D., „High energy saving for Africa street lighting using individual automatic dimming of HID ballasts”, EPE 2014 - Proceedings ofthe 2014 International Conference and Exposition on Electrical and Power Engineering, Publisher IEEE, 2014, DOI: 10.1109/ICEPE.2014.6969996, Pages 683-688.

30. Pentiuc R., Vlad V., Lucache D.D., Pavel S., „Street lighting power quality”, EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, Publisher IEEE, 2014, DOI: 10.1109/ICEPE.2014.6970080, Pages 1107-1110.
31. Danila E., Lucache D.D., Runtime optimization of hybrid energy source from an UPS back-upping critical consumer", Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on, Publisher IEEE, 2014, DOI: 10.1109/OPTIM.2014.6850942, Pages 661-666.
32. DD Lucache, B Lucache, D Irimia, M Poboroniuc, „Preliminary EEG Based Analysis of Few Acupoints Used in the Chronic Low Back Pain Treatment”, S. Vlad and R.V. Ciupa (eds.), International Conference on Advancements of Medicine and Health Care through Technology, 5th–7th June 2014, Cluj-Napoca, Romania, IFMBE Proceedings 44, Springer International Publishing, pp.247-250
33. Lucache D.D., Moisa C., Lobry J., „Economic apraisal of optimal location and sizing of capacitors in radial distribution systems using PSO”, ICATE 2014, Applied and Theoretical Electricity, IEEE Conference, 23-25 Oct. 2014, Publisher IEEE, DOI 10.1109/ICATE.2014.6972626, pp.1-6
34. Rakotomalala L.F.F., RandriamanantanyZ. , Chiriac G., Lucache D., "HID lamps dimming in the public lighting installations dominated by magnetic ballasts", ICATE 2014, Applied and Theoretical Electricity, IEEE Conference, 23-25 Oct. 2014, INSPEC Article No. 14791606, DOI 10.1109/ICATE.2014.6972670, pp.1-5
35. D.D.Lucache,G.Chiriac,R.Pentiuc,D.Ioachim,„WiderGeneralityRelationintheRoadLightingCalculation”,13thInternationalConferenceonDEVELOPMENTANDAPPLICATIONSYSTEMS,Suceava,Romania,May 19-21,2016,DOI: 10.1109/DAAS.2016.7492554,pp.91-96
36. Dănilă Elena, Dorin Lucache, Cătălin Damian, “Risks in change management of engineering higher education” 6th International Seminar on Quality Management in Higher Education 2010 ISI Proceedings, pg.51-55, ISBN: 978-973-662-568-8.
37. Dănilă Elena, Dorin Lucache, Dan Ioachim, „Improving quality of learning during practical laborators by using preformed (standard) reports” -, 6th International Seminar on Quality Management in Higher Education 2010, ISI Proceedings, pg.407-411, ISBN: 978-973-662-568-8.
38. D. Lucache, A. Bulgaru, D. Ioachim, Elena Dănilă, Management of the sludge wastes in the pulp and paper industry – Proc. of The 6th International Conference OnManagement Of Technological Changes – MTC, Greece, sept. 2009, Vol.II, pp.113-116
39. D.D.Lucache, Survey of Some Automotive Integrated-Starter-Generators and their Control, 9th WSEAS International Conference on AUTOMATION and INFORMATION (ICAI'08), Bucharest, Romania, June 24-26, 2008, ISBN: 978-960-6766-77-0, ISSN 1790-5117, pp.368-376
40. M.Petrescu, G.Livint, D.Lucache, Vehicles dynamic control, using fuzzy logic, 9th WSEAS International Conference on AUTOMATION and INFORMATION (ICAI'08), Bucharest, Romania, June 24-26, 2008, ISBN: 978-960-6766-77-0, ISSN 1790-5117, pp.488 – 493
41. D.D.Lucache, V.Horga, M.Ratoi, M.Albu, Hardware-In-The-Loop Testing of an Integrated Starter Generator, ACEMP’07 & Electromotion’07 Joint Conference, Bodrum, Turkey, 10-12 September 2007, Published by Middle East Technical University, ISBN 978-975-93410-2-2, pp.363-368
42. Al.Simion, L.Livadaru, A.Munteanu, D.Lucache, Considerations on the Experimental Performance Developed by a Hybrid Synchronous Motor, ACEMP’07 & Electromotion’07 Joint Conference, Bodrum, Turkey, 10-12 September 2007, Published by Middle East Technical University, ISBN 978-975-93410-2-2, pp. 560-565

43. M. Nemescu, D.Lucache, Self-modulation in SISO Nonlinear Systems Characterized by Resonant Jumps, 15th Mediterranean Conference on Control and Automation MED 2007 ,Athens - Greece, June 27-29, 2007, ISBN: 978-960-254-664-2, pp. T23 – 16
44. Lucache D.D., Horga V., Albu M., Ratoi M., Indirect Field Oriented Control of an Integrated Starter Generator, CD-Proceedings of IEEE Industrial Electronics Conference IECON2006, November 7-10, 2006, Paris, France, pp.5107-5112, ISBN: 1-4244-0136-4, ISSN: 1553-572X
45. LivintGh,, Chiriac G., Lucache D., Damian I., ”Aspects regarding the hybrid electric vehicles architecture and the management strategy for the energy flow”, Proc. Of the 4th International Conference on the Management of Technological Changes, Chania, Greece, August 19-20, 2005, Book 1, ISBN: 978-960-8475-04-5, pp. 275-280
46. D. Lucache, M.Nemescu, D. Ioachim, “Starting modeling of the fluorescent lamp using magnetic starter”, 10th IEEE International Conference on Electronics, Circuits and Systems, ICECS 2003, Sharjah, United Arab Emirates, December 14-17, 2003, Proceedings IEEE Catalog 03EX749C, ISBN 0-7803-8164-5, vol.2, pp. 661-664
47. R. Kamnik, M. Poboroniuc, T. Bajd, G. Livint, D. Lucache, „Robot and FES Technology for Augmenting Standing-Up and Sitting-Down Capabilities”, IEEE International Conference on Industrial Technology, ICIT 2003, Maribor, Slovenia, December 10-12, 2003, IEEE Catalog 03TH8685C, ISBN: 0–7803–7852–0, pp. 728-723
48. M.Nemescu, D.D.Lucache, D. Ioachim Slow oscillations in circuits and nonlinear systems described by Duffing equation International Symposium on Signals, Circuits and Systems, SCS 2003, IEEE Proceedings , vol I of 2, July 10-11, 2003, România, ISBN: 0-7803-7979-9, pp.661-664
49. M. Nemescu, D.D. Lucache, “Self-Modulation in SISO Non-Linear Systems with Inertial Damping Described by Duffing Equation”, 9th IEEE International Conference on ElectronicsCircuits and Systems ICECS 2002, September 15-18, 2002, Dubrovnik, Croatia, CD-ROM Proceedings, ISBN: 0- 7803-7596-3, pp. 979-982
50. S. -M. Antohi, D. -D. Lucache, M. Adam, A. Dragomir, S. -A. Nadabaica and A. Bodoga, "Digital Settings of Low Voltage Circuit Breakers," 2024 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, 2024, pp. 1-6, doi: 10.1109/ICATE62934.2024.10748630.
51. A. Zeghoudi, L. Canale, A. Bendaoud, D. Lucache and A. Tilmatine, "LISN’s Effect on Electromagnetic Interference and DM Filter in Two-Stage AC/DC Flyback PFC Boost LED Driver," 2024 IEEE Sustainable Smart Lighting World Conference & Expo (LS24), Eindhoven, Netherlands, 2024, pp. 1-4, doi: 10.1109/LS2463127.2024.10881909.
52. G. Balan, D. D. Lucache and A. Sălceanu, "Using API for PV Systems Operation Monitoring and Production Estimation," 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, 2024, pp. 106-111, doi: 10.1109/EPEi63510.2024.10758119.
53. A. Zeghoudi, D. Lucache, A. Bendaoud and L. Canale, "Impact Analysis of Control Frequency Variations Using SI MOSFETs and SIC IGBTs in Boost Converter," 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, 2024, pp. 193-198, doi: 10.1109/EPEi63510.2024.10758091.
54. M. Debab, M. E. A. B. Hacene and D. Lucache, "Detection of Suitable Rooftops for Solar Panel Installation in the Southern Part of Sidi Bel Abbes, Algeria Using GIS Methodologies," 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, 2024, pp. 151-155, doi: 10.1109/EPEi63510.2024.10758066.
55. R. Lovasoa, C. B. Andrianirina, D. D. Lucache, R. Zely and R. Hertanu, "Beam Lens impact on LED Luminaires Photometric Parameters for Exterior Lighting," 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, 2024, pp. 664-669, doi: 10.1109/EPEi63510.2024.10758148

56. D. -D. Lucache, C. -G. Haba, M. -E. Anton and C. Tiţă, "Using AR in Technical Education. The ARphymedes case," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290145.
57. G. Balan, N. C. Chereches and D. D. Lucache, "System for Monitoring Electrical Cables Condition in Building Installation," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290783.
58. A. Palcu and D. D. Lucache, "Realisation of a Low-Cost Three-Axis CNC for Processing Soft Materials," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290838.
59. D. D. Lucache, Y. Elia, E. S. Dănilă and C. D. Gălăţanu, "Grid support by BESS. Benefits for a Solar Thermal Plant," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-7, doi: 10.1109/MPS58874.2023.10187444.
60. A. Zeghoudi, A. Bendaoud, L. Canale and D. Lucache, "Comparative Study of Electromagnetic Disturbances between Single-Stage and Two-Stages AC/DC Boost Flyback Converters for LED Lighting Applications," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-05, doi: 10.1109/MPS58874.2023.10187534.
61. G. Gabor, D. -D. Lucache and C. -C. Dosoftei, "Learning PLC-based Automation by Using an Educational Elevator," 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2022, pp. 683-687, doi: 10.1109/EPE56121.2022.9959815.
62. T. Andrianajaiana, T. D. Razafimahefa, D. A. Youssouf, R. N. Rakotoarijaona, E. J. R. Sambatra and D. D. Lucache, "Fault Detection Device for PV Array using the Page-Hinkley Test," 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2022, pp. 505-510, doi: 10.1109/EPE56121.2022.9959755.
63. S. Galbau, G. Grigoras, B. Neagu, F. Scarlatache, D. Lucache and V. Hustiuc, "Characterization of the Power Quality in the Electric Distribution Networks Using Data Mining with K-Means Clustering," 2022 10th International Conference on Systems and Control (ICSC), Marseille, France, 2022, pp. 131-136, doi: 10.1109/ICSC57768.2022.9993865.
64. G. Balan, E. Serea, D,D, Lucache, "Critical Issues in the Design and Operation of Electrical Installations in Hospitals", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 6-8 Oct. 2021, Publisher IEEE 2021, pp.503-510, DOI: 10.1109/SIELMEN53755.2021.9600413
65. G. Chiriac, D.D. Lucache, C. Niţucă, G. Gabor, "Aspects Regarding the Heating of Electric Buses", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 6-8 Oct. 2021, Publisher IEEE 2021, pp. 481-485, DOI: 10.1109/SIELMEN53755.2021.9600435
66. G. Georgel, G. Livint, D.D. Lucache, "Application of S7-1200 PLC for Temperature Monitoring of Railway Separator", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 6-8 Oct. 2021, Publisher IEEE 2021, pp. 458-461, DOI: 10.1109/SIELMEN53755.2021.9600404
67. Haba C.G., Lucache D.D., "Actual trends towards electromobility in the South Eastern Europe", CD-ROM Proceeding of 10th International Automotive Congress, 2-4 November 2011, Pitesti, Romania, index CAR2011-1231, ISSN 1453-1100
68. Elena Dănilă, Dorin D. Lucache, Gheorghe Livinţ, "Models and modelling the supercapacitors for a defined application", 8th international conference on electromechanical and power systems SIELMEN 2011 - Annals of the University of Craiova, Electrical Engineering series, No. 35, 2011; ISSN 1842-4805, pg.200-205. - IndexCopernicus Journal

69. Dănilă Elena, Dorin Lucache, “History of the first energy storage systems” - IEEI 2010, 3rd International Symposium on the History of Electrical Engineering and of Tertiary-level Engineering Education, ISBN: 978-606-13-0052-5, pg. 9-10.
70. Elena Dănilă, R. Outbib, D. D. Lucache „Supercapacitors and risk reduction in energy supply” – 6th International Conference on Electrical and Power Engineering Iaşi 2010, ISBN vol.II : 978-606- 13-0078-5, pg.95-98.
71. Dorin D. Lucache, Vasile Horga, Ioan Damian, Mihai ALbu, Marcel Ratoi - "ICE model used in an indoor testing bench for hybrid structures" - International Congress on Automotive and Transport Engineering CONAT 2010, pg.171-178, ISSN 2069-0401.
72. C.D.Gălăţanu, D.D.Lucache, Point of view: quality in lighting education, Proc.ofThe 5th International Conference ILUMINAT 2009, 20 Febreuary 2009, Cluj-Napoca, Romania, Ed. MEDIAMIRA Cluj-Napoca, ISBN: 978-973-713-232-1, pp. L7.1-L7.6
73. D. Lucache, D. Ioachim, D. Cuciureanu, G. Chiriac, Gh. Ghiur, Overview of some sources for interior general lighting applications, Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 - Iasi, Romania, Vol.II, pp.384-386, ISBN vol. II 978-606- 520-623-6.
74. Elena Dănilă, D.Cuciureanu, D.Lucache, R.Pentiuc, Efficiency of the growing plant lighting systems, Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 - Iasi, Romania, Vol.II, pp. II-376 – 379, ISBN vol. II 978-606-520-623-6.
75. R.Pentiuc, G.Mahalu, Carmen Mahalu, D.Lucache, Economic system of public lighting, Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 - Iasi, Romania, Vol.II, pp.367 – 370, ISBN vol. II 978-606-520-623-6.
76. M.Petrescu, G.Livint, D.Lucache, Vehicles dynamic control, using fuzzy logic, 9th WSEAS International Conference on AUTOMATION and INFORMATION (ICAI'08), Bucharest, Romania, June 24-26, 2008, ISBN: 978-960-6766-77-0, ISSN 1790-5117, pp.488 - 493
77. A.Simion, L.Livadaru, D.Lucache, Study of the dynamic behaviour during start-up at the two- phase induction machine, VolumulConferinţeiNaţionale de ElectrotehnicăTeoretica SNET’08, 3- 5 iunie 2008, Bucureşti, ISBN 978-606-521-045-5, pp. 43-48
78. M.Nemescu, D.Lucache, Almost-periodical slow-oscillations in nonlinear circuits with resonance by jump, VolumulConferinţeiNaţionale de ElectrotehnicăTeoretica SNET’08, 3-5 iunie 2008, Bucureşti, ISBN 978-606-521-045-5, pp. 206-211
79. Lucache D., Horga V., Răţoi M., Simion, Al., Damian I., Generating Regime Control of an Interior PM Synchronous Machine, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(175-181), ISBN 978-973-666-259-1
80. D.Lucache, A.Simion, L.Livadaru, Method to Determine the Internal Angle of a Synchronous Machine for Establishment of the Experimental Torque-Angle Characteristics, 15th IMEKO TC4 International Symposium on Novelties in Electrical Measurtement and Instrumentation, Iaşi, Romania, 18-22 September 2007, Proceedings Edited by IMEKO and T.U.Iasi, ISBN 978-973-667- 260-6, Vol.II, pp. 528-531
81. Lucache D., SabagEli, Lazar I., Microprocessorcontrolled electronicballast forHID lamps.Metrolight case study. Proceedings of the 4th International Conference ILUMINAT 2007, 31 Mai– 1 June, Cluj-Napoca, Ed.Mediamira Cluj-Napoca, ISSN: 978-973-713-177-5, pp.24-1..24-6
82. Simion Al., Lucache D. D., Livadaru L., Munteanu A., “Self-Excited Hybrid Synchronous Generator as Electric Energy

Source on Automotives", 5-th. International Conference on Electromechanical and Power Systems – SIELMEN 2005, Chişinău, Rep. Moldova, Oct.2005, Proc. Vol. 2, ISBN 973- 716-230-7, pp. 796-799
83. Lucache D.D., Albu M., Ioachim D., "Variant of the group feeding of the fluorescent lamps at high frequencies", The 3rd Balkan Conference on Lighting, Cluj-Napoca, Romania, 2-3 iunie 2005, pp. 24-1..24-5
84. Livint G., Chiriac G., Lucache D., Horga V., Damian I., "The optimization of duty hybrid electric vehicles using the artificial intelligence", Proc. Of the 7th International Conference „Modern Electric Traction in Integrated XXIst Century Europe", Warsaw, Poland, 29 sept – oct. 1, 2005, pp. 269-272, ISBN 83-908116-4-2
85. Lucache D-D., Simion Al., Damian I., "Hybrid solution for integrated starter generator in automotive applications", The 10th International Congress "Automotive and Future Technologies" CONAT2004, Brasov, Oct. 2004, code CONAT20044012, CD-ROM Proceeding, MGM-0231-7002-34
86. Poboroniuc M., Popescu C. D., Livint G., Lucache D., Petrescu M., FES-based assistive rehabilitative devices for training of physically impaired persons, Proceedings of the 8th International Symposium on Automatic Control and Computer Science - SACCS 2004, October 22-23, 4 pg., 2004, Iasi, Romania, ISBN 973-621-086-3
87. M.Nemescu, D.D.Lucache, D. Ioachim, G.Paicu, „Forced-regime oscillations in nonlinear servomechanisms with linear damping", International Symposium on Sistem Theory, SINTES 11, October 23-24, 2003, Craiova, România, pp.84-87
88. M.Nemescu, D. Lucache, D. Ioachim, „Low oscillations in nonlinear servomechanisms described by Duffing-type equations", 9th IEEE International Conference on Methods and Models in Automation and Robotics, MMAR 2003, 25-28 Aug. 2003, Miedzyzdroje, Poland
89. D.Ioachim, M.Nemescu, D.Lucache, Calculation variant of the roadway illumination, Proceedings of the International Conference ILUMINAT2003, 8-9 May, Cluj-Napoca, Romania, ISBN 973-9357- 44-X, pp.28-1..28-5
90. D.D.Lucache, A.Simion, S.Călugăreanu, I.Vartolomei, The calibration of a dc-machine for a low power test-bench, Proceedings of the 11th International Symposium on Power Electronics Ee 2001, Novi Sad, Yugoslavia, Oct. 31 – Nov.2, 2001
91. Gh.Livinţ, D.D.Lucache, The control of the flywheel system magnetic suspension, Proceedings of the 11th Int. Symposium on Power Electronics Ee 2001, Novi Sad, Yugoslavia, Oct. 31 – Nov.2, 2001, pp. 449-453
92. D.D.Lucache, Gh.Livinţ, D.Patelli, E.Şerban, A position magnetic sensor for use with magnetic bearing systems, Proceeding of the 5th International Conference on Mechatronic Design and Modelling, Konya, Turkey, September 12-13, 2001
93. M. Nemescu, D.D. Lucache, "Self-Modulation in SISO Non-Linear Systems Described by Duffing Equation-Type", 7th IEEE International Conference Methods and Models in Automation and Robotics MMAR 2001, 28-31 August 2001, Miedzyzdroje, Poland
94. Lucache D-D., Simion Al., Călugăreanu S., Horga V., "Design of a disk-type permanent-magnet synchronous machine for magnetic bearings applications", 4th International Symposium on Advanced Electromechanical Motion Systems ELECTROMOTION 2001, June 19-20, 2001, Bologna, Italy, vol.2, pp. 403-408
95. Al. Simion, S. Călugăreanu, D. Lucache, L. Livadaru, "Influence de la caractéristiquemagnétique du matériel sur les performances des machines d'induction avec des enroulementsenanneau" Proceedings of the 3rd International Workshop "Materials for electrotechnics", May 21-23, 2001, Bucharest, Vol.I, ISBN 973-652-361-6
96. D-D. Lucache, E. Şerban, Al. Simion, "A LQG controller for a dual axial magnetic bearing", Preprints of 3rd European Conference on Magnetic Sensors and Actuators EMSA 2000, 19-21 July 2000, Dresden
97. D. Lucache, Al. Simion, G. Paicu, "An attempt to model a PM biased magnetic bearing with a 2D software package" 10th Symposium on Power Electronics Ee'99, Novi Sad, Yugoslavia, October 14-16, 1999

	98. D-D. Lucache, M. Diaconescu, G. Paicu, Etude comparatif des deux structures de paliersmagnétiquesen construction hybride, 2eme ConférenceInternationale de SystèmesElectromechaniques, SIELMEC'99, Chişinău, R.Moldavie, 7-9 octombrie 1999, vol. III, pp. 230-233 99. D-D. Lucache, M. Diaconescu, E. Şerban, Modèlemathématique d'un palier axial hybride, 2eme ConférenceInternationale de SystèmesElectromechaniques, SIELMEC'99, Chişinău, R.Moldavie, 7-9 octombrie 1999, vol. III, pp. 234-237 100. D-D. Lucache, M. Carcea, M. Sechilariu, Avantaje ale pragmatismuluiaplicaţiilor practice pentruînvăţământul superior tehnic, A Doua ConferinţăInternaţională de SistemeElectromecanice SIELMEC'99, Chişinău 7-9 octombrie 1999, vol. II, pp. 328-331 101. Gh. Livint, M. Poboroniuc, D. Lucache , "H□□Controllers Synthesis for Field-Oriented Induction Motor Drives Fed by Current-Controlled Frequency Converter", 3rd International Symposium on Advanced Electromechanical Motion Systems ELECTROMOTION '99, Patras, Greece, July 8- 9,1999 102. D. Lucache, A.Simion, "L'influence de la forme des dents et du matériel dans les structures a réluctance variable", Deuxième Atelier Scientifique Franco-Canado-Roumain Matériaux pour l'Electrotechnique, Bucarest, 1999 103. D. Lucache, "Une estimation des paramètresgéométriques pour une suspension magnétiquehybride", Université "Politehnica" Bucarest, Bulletin Informatif No.1, Projet Tempus M-PEC- 12018/97, 1998 104. Lucache D., Horga V., Graur I., Taşca Gr., "Computerised Check Routine for Choice Electrical Drive Motor with Random Load" 9-Th National Conference on Electrical Drives, Craiova, October, 8-9, 1998 105. D. Lucache, "Electronic ballast using IR2155 for fluorescent lamps", Prima ConferinţaInternaţionala de SistemeElectromecanice SIELMEC'97, Chişinău 16-18 Octombrie 1997 106. G.Paicu, D. Lucache, "Methods of compensation of thermocouples reference junction temperature without using a compensation cable. Part one: Compensation Bridges", 4th International Symposium on Automatic Control and Computer Science SACCS'93, Iaşi, October 1993 107. G.Paicu,D.Lucache, "Methods of compensation of thermocouples reference junction temperature without using a compensation cable. Part two: Performances Analysis", 4th International Symposium on Automatic Control and Computer Science SACCS'93, Iaşi, October 1993
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Gh.Lucache, D.Lucache, V.Maciucă, Sobă de uzcasnic cu combustibil solid, Brevet RO 89163/1985
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Gh.Lucache, D.Lucache, V.Maciucă, Sobă de uzcasnic cu combustibil solid, Brevet RO 89163/1985 2. 3. K. Contracte de cercetare. 4. "INTELLIFT: Modular intelligent mini-lift, with multiple uses", founder CNFIS-FDI-2020-0465, TUIASI Grant intern POC20/2020, director 5. "Design-for-X of a powertrain for efficientandlow-cost electric traction", collaborativeresearch grant, partiallyfoundedby ERASMUS-EDU-2022-EUR-UNIV, director 6. "AR Physics made for students - ARPhymedes"Erasmus+ #2020-1-SK01-KA201-078391, responsabil TUIASI 7. „Technology TrannsferNetwork", TEMPUS TecTNet, cod 544197-TEMPUS-1-2013-1-IT-TEMPUS-JPHES,

	responsabil TUIASI 8. Dezvoltarea unor noi neuroprotezeşi tehnici de evaluare pentru persoanele cu handicap neuromotor datorat unei afecţiuni a sistemului nervos central, proiect cooperare bilaterală România-Slovenia, PNII-modul III, Valoare: 82710RON/2008, membru; 9. Sisteme încorporate de tip neuroproteză pentru recuperarea persoanelor cu handicap neuromotor – SINPHA, contract 11-068/2008 PN II-etapaII-15.11.2008, Valoare 272731 RON/2008, Director proiect: Conf.dr.ing. Marian Poboroniuc 10. Sisteme încorporate de tip neuroproteză pentru recuperarea persoanelor cu handicap neuromotor – SINPHA, contract 11-068/2007 PN II-etapaI-15.12.2007, Valoare 83026 RON/2007, Director proiect: Conf.dr.ing. Marian Poboroniuc 11. Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride, Contract CEEX nr. X2C28/2006, Valoare: 381000/2007 din care 212000RON/2007 pentru UTI, Director proiect: Prof.dr.ing. Gheorghe LIVINŢ; 12. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract GR 80/23.05.2007, cod CNCSIS 528, Tema 30/2007, Valoare 60000RON/2007, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ; 13. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract GR 80/23.05.2007, cod CNCSIS 530, Tema 32/2007, Valoare : 32000RON/2007, Director proiect: Dorin Dumitru LUCACHE; 14. Standing-upmotionaugmentation in paraplegia bymeans of FES and robot technology, proiect cooperare bilaterală România-Slovenia 2005-2007, Valoare totală: 2996 lei, Director proiect: Conf.dr.ing. Marian Poboroniuc; 15. Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride, Contract CEEX nr. X2C28/2006, Valoare 89.000 RON, Valoare UTI: 44.300 RON/2006, Director proiect: Prof.dr.ing. Gheorghe LIVINŢ; 16. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract A1/GR 164/19.05.2006, cod CNCSIS 528, Valoare 50000RON/2006, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ; 17. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract A1/GR 164/19.05.2006, cod CNCSIS 530, Tema 49/2006, Valoare : 30000RON/2006, Director proiect: Dorin Dumitru LUCACHE 18. Tehnici de control a protezelor bazate pe stimulare electrică funcţională a muşchilor în recuperarea pacienţilor cu handicap neuromotor datorat unei afecţiuni a sistemului nervos central, Contract A1/GR 164/19.05.2006, cod CNCSIS 530, Tema 62/2006, Valoare : 54000RON/2006, Director proiect: Marian Poboroniuc 19. Partajarea resurselor de instruire şi cercetare – PRIC, Contarct 24 CEEX-103/10.10.2005, Subcontract 252/14.10.2005, et.II/01.05.2006, Valoare: 16890RON/2006, Director proiect: Marian Poboroniuc 20. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract 27637/14.03.2005, Cod CNCSIS 528 Tema 33, Valoare 50000RON/2005, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ; 21. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract 27637/14.03.2005, cod CNCSIS 530, Tema 35/2005, Valoare : 28000RON/2005, Director proiect: Dorin Dumitru LUCACHE 22. Partajarea resurselor de instruire şi cercetare – PRIC, Contarct 24 CEEX-103/10.10.2005, Subcontract 252/14.10.2005, et.I/15.12.2005 23. Valoare: 93050RON/2005, Director proiect: Marian Poboroniuc 24. Tehnici de control a protezelor bazate pe stimulare electrică funcţională a muşchilor în recuperarea pacienţilor cu handicap neuromotor datorat unei afecţiuni a sistemului nervos central, Contract 33371/20.06.2004, cod CNCSIS 544, Tema 35/2004, Valoare : 42000RON/2004, Director proiect: Marian Poboroniuc

	25. 18. Development of sensorysupported FES system for restoringstanding-upandsittingdown in paralyzedpatients, proiect cooperare bilaterală România-Slovenia 2003-2004, Valoare totală: 5570,75RON, Director proiect: Conf.dr.ing. Marian Poboroniuc; 26. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, Contract 33557/2003, Cod CNCSIS 336/2003, Tema 37, Valoare: 72 mil.ROL/2003, Director proiect Prof.dr.ing. Alecsandru SIMION; 27. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, 28. Cod CNCSIS 406/2002, Valoare: 46 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION; 29. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME", Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Cod CNCSIS 106/2002, Valoare: 50 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION; 30. Cercetări privind construcţia, modelarea şi comanda unor lagăre magnetice axiale hibride cu performanţe superioare, cu aplicaţii la sistemele inerţiale cu acumulae de energie, Contr.nr.33479/2002 cu MEC-ANSTI (ulterior cu CNCSIS) - Tema B8/2001, Cod CNCSIS 106/2002, Valoare: 50 mil.ROL/2002, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ; 31. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, Contract 35254/2001, cod CNCSIS 247/2001, Tema 43, Valoare: 42,4mil.ROL/2001, Director proiect: Prof.dr.ing. Alecsandru SIMION; 32. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME, Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema A26/2001, Valoare: 57,4 mil.ROL/2001 - Director proiect: Prof.dr.ing. Alecsandru SIMION; 33. 25. Cercetări privind construcţia, modelarea şi comanda unor lagăre magnetice axiale hibride cu performanţe superioare, cu aplicaţii la sistemele inerţiale cu acumulae de energie, Contr.nr.7004/2001 cu MEC-ANSTI (ulterior cu CNCSIS) - Tema B8/2001, Valoare: 35,5 mil.ROL/2001, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ; 34. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME, Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema B23/2000, Valoare: 37,700 mil.ROL/2000, Director proiect: Prof.dr.ing. Alecsandru SIMION; 35. Execuţie subansamble boghiu, Contract nr. 613/10.04.1996, Centrul Regional de Inovare, Implementare şi Aplicare a Invenţiilor – Iaşi (CRIIAI), Beneficiar: Ministerul Cercetării şi Tehnologiei, Valoare: -, Responsabil contract Şef.lucr.dr.ing. C.G.Cantemir 36. Studii şi cercetări experimentale pentru raţionalizareaconsumrilor de energie în secţia de Finisaj la S.C. Integrata S.A. Paşcani. Contract nr. 666/95-96. Beneficiar: S.C. Integrata Paşcani S.A., Valoare: 2,360 mil.ROL/1995, Responsabil contract: Şef lucr. Grigore TAŞCĂ ; 37. "Studii privind îmbunătăţirea platformelor seismice de 140 Tf şi 15 Tf, Contract INCERC nr. 1326/1991, INCERC – Filiala Iaşi, Resp. temă: ing. Ilie Soroceanu 38. "Sistem unificat de achiziţie, înregistrare si prelucrare a datelor experimentale si de corecţie pentru studiul comportării structurilor la solicitări statice si dinamice seismice", Contract INCERC nr. 1318/1991, INCERC – Filiala Iaşi ,Resp. temă: ing. Ilie Soroceanu 39. Studii măsurători şi cercetări experimentale pentru raţionalizarea consumurilor de energie electrică, Contract 3415/1985, Beneficiar: ITRD Paşcani, Valoare: -, Responsabil contract: Şef lucr. Grigore TAŞCĂ

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Nemes Ciprian-Mircea **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Ciprian Nemeş, Metode și tehnici de evaluare a fiabilității - aplicații în energetică, Editura PIM Iaşi, ISBN 978-606-13-5347-7, 156 pg., 2019. 2. Ciprian Nemeş, Florin Munteanu, Adecvabilitatea sistemelor de producere a energiei electrice, Editura Politehnium Iaşi, ISBN 978-973-621-480-6, 208 pg., 2018. 3. Ciprian Nemeş, Florin Munteanu, Producerea şi distribuţia energiei electrice. Partea I – Producerea energiei electrice, Editura Politehnium Iaşi, ISBN: 978- 973-621-318-2, 225 pg., 2011. 4. Florin Munteanu, Ciprian Nemeş, Fenomenul de scurtcircuit ... de la terorie la practică, Editura Politehnium Iaşi, ISBN: 978-973-621-302-1, 284 pg., 2010. 5. Ciprian Nemeş, Florin Munteanu, Dumitru Ivas, Tehnici moderne de analiză a disponibilităţii elementelor şi sistemelor, Editura Politehnium Iaşi, ISBN: 978-973- 621- 240-6, 264 pg., 2008. 6. Florin Munteanu, Maricel Adam, Dumitru Ivas, Ciprian Nemeş, Aparate şi comutări inteligente în sistemele electroenergetice, Casa de editură Venus Iaşi, ISBN 973-756-025-6, 317pg, 2006. 7. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Centrale electrice - partea electrică - vol I. Analiza fenomenului de scurtcircuit, Editura Setis Iaşi, ISBN 973- 86764-6-0, 341 pg., 2005. 8. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, cap. Metode de determinare a fiabilităţii având la bază raportul solicitare–rezistenţă, cap. Calculul probabilităţii de defect în cazul solicitărilor multiple dependente, Capitole în volumul Sisteme expert de asigurare a calităţii totale in industria de materiale şi echipamente electrotehnice, Seria QUALINDSER, ISBN 973-8292-29-8, pp. 50-59, pp. 59-69, 20 pg., 2002. 9. Dumitru Ivas, Florin Munteanu, Mugurel Rotariu, Eugeniu Voinea, Ciprian Nemeş, Ingineria fiabilităţii sistemelor complexe, Editura Perfect Bucureşti, ISBN 973-85069-3-X, 320 pg., 2001. 10. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Proiectarea si analiza asistată de calculator a instalaţiilor de alimentare cu energie electrică. Seria Energie – Mediu, Editura AGIR Bucureşti, ISBN 973-8130-44-1, 140 pg., 2001. 11. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Ingineria disponibilităţii subsistemelor de distribuţie a energiei electrice, Editura Spectrum Iaşi, ISBN 973-98335-3-5, 254 pg., 1999.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Ciprian Nemeş, Florin Munteanu, Probabilistic approach for thermal and electrodynamics stresses distribution functions, Journal Elektrotechnika i elektronika E+E (Електротехника и електроника Sofia), no 11-12, 2008, ISSN 0861-4717, pp. 46-50, 5 pg., 2008.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. F.Baiceanu, O.Ivanov, R. Beniuga, C. Neagu, C. Nemes, A Continuous Multistage Load Shedding Algorithm for Industrial Processes Based on Metaheuristic Optimization. Mathematics 2023, 11, 2684. Impact Factor: 2.3 (2023), https://doi.org/10.3390/math11122684, WOS:001017561300001 2. Baiceanu Florin Constantin, Munteanu Florin, Nemes Ciprian-Mircea, Transient Residual Voltage Influence on the

Dynamic Load Transfer, Bulletin of the Polytechnic Institute of Iaşi. Electrical Engineering, Power Engineering, Electronics, vol. 67, issue 4, 2022, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp. 57-71, DOI: https://doi.org/10.2478/bipie-2021-0022, https://sciendo.com/article/10.2478/bipie-2021- 0022

3. Tiganasu Cosmin, Cercel George, Nemes Ciprian, An overview of the home energy management system, Buletinul Institutului Politehnic din Iaşi Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, vol. 67 (71), no 2, 2021 Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp.9-18, DOI:10.2478/bipie-2021-0007, https://sciendo.com/issue/BIPIE/67/2

4. George Cercel, Cosmin Tigănaşu, Ciprian Nemeş, Photovoltaic Systems Maximum Power Point Tracking Algorithms, Buletinul Institutului Politehnic din Iaşi Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, vol. 67 (71), no 2, 2021 Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pp.19-29, DOI:10.2478/bipie- 2021- 0007, https://sciendo.com/issue/BIPIE/67/2

5. F. Munteanu, F.Baiceanu, C. Nemes, Switch-off transients affecting the dynamic load transfer, University Politehnica of Bucharest Scientific Bulletin Series C-Electrical Engineering and Computer Science, vol. 82, iss. 1, 2020, pp. 289-300, WOS:000518413400022

6. Alexandra Ciobanu, Florin Munteanu, Ciprian Nemeş, Adochiţei M., Dynamic Bayesian network for weather forecast and evaluation of renewable resources availability, Journal of Sustainable Energy, vol. 9, no. 2, ISSN 2067-5534, pp.58-63, June 2018.

7. Ciprian Nemeş, Florin Munteanu F., Astanei D., Analysis of grid-connected photovoltaic system integration on low-voltage distribution network. 22th Conference of Energy Engineering, CIE 2016, 02-04 June 2016, Oradea. Published in Journal of Sustainable Energy ISSN 2067-5534, vol. 7, no. 1, pp.9-14, March 2016.

8. Alexandra Ciobanu, Florin Munteanu, Ciprian Nemeş, Dragoş Astanei, Availability Evaluation of Nodal Architectures using Bayesian Networks, Buletinul Institutului Politehnic din Iaşi Bulletin of the Polytechnic Institute of Iaşi, ISSN 1223-8139, Vol. 62 (66), no. 3 2016, pp 31-40.

9. Sorina Costinas, Ciprian Nemes, Current maintenance using geographical information system, part of the global smart-grid technology solution, Buletinul Institutului Politehnic din Iaşi, Tomul LX (LXIV), Fasc.1, pp. 103-110, 2014.

10. Ciprian Nemeş, A clear sky irradiation assessment using the European Solar Radiation Atlas model and Shuttle Radar Topography Mission database: A case study for Romanian territory, J.Renewable Sustainable Energy, vol. 5, is. 4, no. 041807, Impact Factor 2013: 1.51, 12 pg., 2013. DOI: 10.1063/1.4813001, WOS:000323945600008

11. Ciprian Nemeş, Marcel Istrate, A Clear Sky Irradiation Assessment Using The Esra Model And SRTM Database, Environmental Engineering And Management Journal , vol. 12, iss. 6, ISSN: 1582- 9596, Impact Factor: 1.258, pp.: 1271-1279, 2013, WOS:000325632500021

12. Ciprian Nemeş, Marcel Istrate, Statistical Analysis of Wind Turbine's Output Power, Electronics and Electrical Engineering Journal, no. 4 (120) 2012, print ISSN: 1392-1215, online ISSN: 2029-5731, Impact Factor 2012: 0.411, pp. 31-34, 4 pg., 2012. DOI: 10.5755/j01.eee.120.4.1447, WOS:000303226800006

13. Ciprian Nemeş, Florin Munteanu, Operational parameters evaluation for optimal wind energy systems development, Published in U.P.B. Sci. Bulletin, Series C, vol. 74, iss. 1, ISSN 1454-234x, pp. 223-230, 8 pg., 2012.

14. Florin Munteanu, Ciprian Nemeş, Belief networks utilization for nodal power quality and availability assessment, Published in U.P.B. Sci. Bulletin, Series C, vol. 74, iss. 1, ISSN 1454-234x, pp. 215- 222, 8 pg., 2012.

15. Giuseppe Marco Tina, Gilles Notton, Ciprian Nemeş, Time frame measurements impact on probabilistic behaviour of

	photovoltaic systems, Paper published in Bulletin AGIR - B+ , XVII, nr. 2, April-June 2012, ISSN-L 1224-7928, ISSN-online 2247-3548. pp. 1-9, 9 pg., 2012. 16. Ciprian Nemeş, Florin Munteanu, The Wind Energy System Performance Overview: Capacity Factor vs. Technical Efficiency, International Journal of Mathematical Models and Methods in Applied Sciences, North Atlantic University Union, iss. 1, vol. 5, ISSN: 1998-0140, pp. 159-166, 8 pg., 2011. 17. Ciprian Nemeş, A comparative analysis of wind speed distribution evaluation. Bulletin of the Polytechnic Institute of Iaşi, tom LVII (LXI), fasc.2, ISSN 1223-8139, pp. 145-151, 7 pg., 2011. 18. Ciprian Nemeş, Marcel Istrate, Overview of Optimal Wind Turbine Selecting, Proceedings of the 4th International Conference on Modern Power Systems – MPS 2011 Cluj-Napoca, Published in Acta Electrotehnica, vol. 52, no. 5, ISSN 1841-3323, pp.323- 326, 4 pg., 2011. 19. Ciprian Nemes, Nicu Costandache, Florin Munteanu, Probabilistic approach of generation system considering the power station reliability, Proceedings of the 4th International Conference on Modern Power Systems – MPS 2011 Cluj-Napoca, Published in Acta Electrotehnica, vol 52, no. 5, ISSN 1841-3323, 2011, pp. 327-330, 4 pg., 2011. 20. Ciprian Nemeş, Florin Munteanu, Potential Solar Irradiance Assessment based on a Digital Elevation Model, Advances in Electrical and Computer Engineering, vol. 11, no. 4, ISSN: 1582-7445, e-ISSN: 1844-7600, Impact Factor 2011: 0.555, pp. 89-92, 4 pg., 2011. DOI: 10.4316/AECE.2011.04014, WOS:000297764500014 21. Ciprian Nemeş, Florin Munteanu. A Probabilistic Model for Power Generation Adequacy Evaluation. Revue Roumaine des Sciences Techniques - Rev. Roum. Sci. Techn.– Électrotechn. et Énerg., 56, 1/2011, Bucharest, ISSN: 0035-4066, Impact Factor 2011: 0.136, pp. 36–46, 11 pg., 2011, WOS:000289219900004 22. Ciprian Nemeş, Florin Munteanu, Development of Reliability Model for Wind Farm Power Generation, Advances in Electrical and Computer Engineering, vol. 10, no. 2, ISSN 1582-7445, e- ISSN 1844-7600, Impact Factor 2010: 0.688, pp. 24-29, 6 pg., 2010. DOI: 10.4316/AECE.2010.02004, WOS:000280312600004 23. Florin Munteanu, Ciprian Nemeş, Fast Method for accutare faul type detection in high voltage networks. Bulletin of the Polytechnic Institute of Iaşi, tom LVI(LX), fasc.2, ISSN 1223-8139, pp. 89- 96, 8 pg., 2010. 24. Ciprian Nemeş, Florin Munteanu, Mbuyamba Tshibanda, Reliability evaluations of Power Systems including Wind Power Generation. Bulletin of the Polytechnic Institute of Iaşi, tom LVI(LX), fasc.2, ISSN 1223-8139, pp. 97-106, 10 pg., 2010. 25. Florin Munteanu, Ciprian Nemeş, Real efficiency of intelligent switching of high voltage circuitbreakers, Published in U.P.B. Sci. Bulletin, Series C, vol. 72. iss.1, ISSN1454- 234x, pp. 173-182, 10 pg., 2010. 26. Ciprian Nemeş, Florin Munteanu, Probabilistic method for circuit breaker maintenance planning, Revista Electrotehnica, Electronica, Automatica, no. 4, vol. 58, ISSN 1582- 5175, pp. 69-73, 2010. 27. Ciprian Nemeş, Florin Munteanu, A Wind Power Generation Model for Reliability Evaluation, Revista Electrotehnica, Electronica, Automatica, no. 1, vol. 58, ISSN 1582- 5175, pp. 31-36, 2010. 28. Irina Ciornei, Ciprian Nemeş, Elias Kyriakides, The future hybrid renewable power system and its generation dispatch, Revista Energetica, no. 6, vol. 58, iunie 2010, ISSN 1453-2360, pp. 262-268, 6 pg., 2010. 29. Florin Munteanu, Ciprian Nemeş, Reliability optimization of the power system nodes considering the switching components, Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 34, ISSN:1842-4805, pp. 196-199, 4 pg., 2010. 30. Florin Munteanu, Ciprian Nemeş, The high voltage circuit-breaker of intelligent switching. A theoretical background. Revista Electrotehnica, Electronica, Automatica, no.1, vol 57, ISSN 1582- 5175, pp. 26-30, 5 pg., 2009.

	31. Ciprian Nemeş, A probabilistic model for circuit breaker adequability, Bulletin of the Polytechnic Institute of Iaşi, tom LV (LIX), fasc.1, ISSN 1223-8139, pp. 109-116, 8 pg., 2009. 32. Ciprian Nemeş, Florin Munteanu, Probabilistic approach of the generated power of a wind turbine. Bulletin of the Polytechnic Institute of Iaşi, tom LV (LIX), fasc. 3, ISSN 1223-8139, pp. 123-130. 8 pg., 2009. 33. Ciprian Nemeş, Florin Munteanu, Optimization of the circuit breaker maintenance using the distribution of the disconnecting number, Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 32, ISSN 1842-4805, pp. 146-149, 4 pg., 2008. 34. Florin Munteanu, Ciprian Nemeş, Methods for maintenance optimization of power system components, Published in Annals of the University of Craiova, Electrical and Engineering Series, no. 32, ISSN 1842-4805, pp. 142-146, 4 pg., 2008. 35. Florin Munteanu, Ciprian Nemeş, Human reliability influence on systems maintenance, Published in Bulletin of the Polytechnic Institute of Iaşi, tom LIV (LVIIII), fasc. 3, pp. 455- 460, 6 pg., 2008. 36. Ciprian Nemeş, The strength variables of the elements subjected to the fluctuating stress, Bulletin of the Polytechnic Institute of Iaşi, tom LIV(LVIII), fasc. 1, pp. 79-83, 5 pg., 2008. 37. Ciprian Nemeş, Florin Munteanu, Equipment reliability analysis using the probabilistic design methodology, Published in Bulletin of the Polytechnic Institute of Iaşi, tom LIV (LVIIII), fasc. 3, pp. 185-192, 8 pg., 2008. 38. Florin Munteanu, Ciprian Nemeş, Dumitru Ivas, Comutarea inteligenta – o nouă tehnologie în electroenergetică, Rev. Energetica no.8, vol. 56, august 2008, ISSN 1453- 2360, pp. 310-315, 6 pg., 2008. 39. Florin Munteanu, Ciprian Nemeş, Theoretical background of intelligent switching of the high voltage circuit-breakers, Volum SNET, 5-7 iunie 2008. Univ. Politehnica din Bucuresti, ISBN 978-606-521- 045-5, pp. 359-364, 6 pg., 2008. 40. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Methods for power system security management, Published in Bulletin of the Polytechnic Institute of Iaşi, tom L(LIV), fasc. 5A, ISSN-1223-8139, pp. 380 - 385, 6 pg. 2004. 41. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, The life time distribution calculation based on wearing process, Published in Bulletin of the Polytechnic Institute of Iaşi, tom L(LIV), fasc. 5A, ISSN- 1223-8139 pp. 411-416, 6 pg., 2004. 42. Ciprian Nemeş, Dumitru Ivas, Probabilistic approach for the short-circuit stress used in the reliability indicators, Bulletin of the Polytechnic Institute of Iaşi, tom L(LIV), fasc. 1-2 / 2004, pp. 129-137, 9 pg. 2004. 43. Ciprian Nemeş, Dumitu Ivas, Florin Munteanu, Modelarea distribuţiilor solicitărilor termice şi electrodinamice la scurtcircuit în evaluarea fiabilităţii preliminate a echipamentelor din electroenergetică, Rev. Energetica, vol 52, nr. 6, iunie 2004, ISSN 1453-2360, pp 277-281, 5 pg., 2004. 44. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Modele de risc în managementul sistemului energetic, Rev. Energetica, vol. 51, nr. 11-12, noiembrie-decembrie 2003, ISSN 1453-2360, pp. 477- 482, 6 pg., 2003. 45. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Selectivitatea statistică, criteriu de optimizare a dezvoltării şi exploatării reţelelor de distribuţie a energiei electrice, Rev. Energetica, vol. 51, nr. 10, octombrie 2003, ISSN 1453-2360, pp. 433-436, 4 pg., 2003. 46. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Ionuţ Mălăescu, Systemicaly connections in theorethical and practical reliability, Bulletin of the Polytechnic Institute of Iaşi, tom XLVIII(LII), fasc. 5A, 2002, ISSN 0258-9109, pp. 137-142, 6 pg., 2002.8. Ciprian Nemeş, Dumitru Ivas, Models for estimations of strength distributions parameters using the stress-strength interference, Bulletin of the Polytechnic Institute of Iaşi, tom XLVIII(LII), fasc. 5A, 2002, ISSN 0258-9109, pg. 143-146, 4 pg., 2002. 47. Dumitru Ivas, Muntenu, Ciprian Nemeş, Contribuţii la modelarea fiabilităţii sistemelor cu structură dinamică cu

	aplicaţii la schemele cu întrerupătoare, Rev. Energetica, anul 48, nr. 2, ISSN 1220- 5133, pp. 76-80, 5 pg., 2000. 48. Dumitru Ivas, Mugurel Rotariu, Florin Munteanu, Ciprian Nemeş, A optimization criterions for the distribution networks selectivity, Bulletin of the Polytechnic Institute of Iaşi, tom XLV (IL), fasc. 5C, SSN 0258-9109, pp. 94-98, 5 pg., 1999. 49. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Mutaţii posibile în conceperea şi exploatarea reţelelor de distribuţie datorate noilor tehnici de conducere (NTC), Rev. Energetica nr. august 1999 50. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Indices to evaluate the network nodes structure,Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energetique, tome 45, octobre-decembre 2000, Academie Roumaine, pp 649-655, 7 pg., 2000
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Alexandru-Cosmin Ciocea, Florin Munteanu, Ciprian Nemeş, Experimental Investigation and Results on the Wear of Photovoltaic Panels, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), 17-19 October 2024, DOI: 10.1109/EPEi63510.2024.10758115 2. Ilişescu, C. M. Nemes and F. C. Băiceanu, "Availability of Hydroelectric Generating Units based on the Maintenance Schedule," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-7, doi: 10.1109/SIELMEN59038.2023.10290836. 3. Ilisescu Ionut, Nemes Ciprian-Mircea, Adequacy evaluation of power generating systems taking into account the power reserves requirements, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959840 4. F. C. Baiceanu, C. F. Acsinte, O. Ivanov, C. M. Nemes, B. C. Neagu, A Load Shedding Approach for Islanded Operation in Industrial Electrical Systems, 2022 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), DOI: 10.1109/ECAI54874.2022.9847448 5. C-F. Acsinte, C. -M. Nemes and F. C. Baiceanu, "Impact of Distributed Generation on the Performance of Electrical Networks," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 601-604, doi: 10.1109/EPE56121.2022.9959757. 6. F. C. Baiceanu, C. Nemes, F. Munteanu and C. F. Acsinte, "Controlled Switching Taking Into Account the Standard Deviation of Switching Time," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 617-621, doi: 10.1109/EPE56121.2022.9959770. 7. F. C. Baiceanu, C. F. Acsinte, O. Ivanov, C. M. Nemes, B. C. Neagu, A Load Shedding Approach for Islanded Operation in Industrial Electrical Systems, 2022 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), DOI: 10.1109/ECAI54874.2022.9847448 8. M. Ghidu, C. Nemes, "Reliability Assessment of Auxiliary Power Supply Systems for a Nuclear Power Plant (NPP)," 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-7, doi: 10.1109/MPS52805.2021.9492657. 9. Cosmin-Florin Acsinte, Ciprian-Mircea Nemes, Florin Constantin Baiceanu, Impact of Distributed Generation on the Performance of Electrical Networks, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959757 10. Ilisescu Ionut, Nemes Ciprian-Mircea, Adequacy evaluation of power generating systems taking into account the power reserves requirements, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959840

11. Tiganasu Cosmin, Cercel George, Nemes Ciprian The influence of battery state of charge on self consumption indices, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 6-8 Oct. 2021, Iasi, Romania, DOI: 10.1109/SIELMEN53755.2021.9600406, ISBN: 978-1-6654-0078-7
12. Cercel George, Tiganasu Cosmin, Nemes Ciprian Power Quality Requirements for Grid- Connected Photovoltaic Systems, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 6-8 Oct. 2021, Iasi, Romania, pp.019-024, DOI: 10.1109/SIELMEN53755.2021.9600364, ISBN: 978-1-6654-0078-7
13. M Ghidu, C Scinteie, C Nemes, Effect of wear process on the security of Nuclear Power Plants, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 6-8 Oct. 2021, Iasi, Romania, pp. 169-174, DOI: 10.1109/SIELMEN53755.2021.9600406, ISBN: 978-1-6654-0078-7
14. Florin Baiceanu, Florin Munteanu, Ciprian Neme, Transient Power Quality Mitigation by Synchronized Capacitor Banks Switching, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22-23 Oct. 2020, Iasi, Romania. DOI: 10.1109/EPE50722.2020.9305559
15. Alexandru Ciocea, Florin Munteanu, Ciprian Nemes, Methods and Techniques for Photovoltaic Solar Power Plant Monitoring and Wearing State Evaluation, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22- 23 Oct. 2020, Iasi, Romania. DOI: 10.1109/EPE50722.2020.9305559
16. Cercel George, Tiganasu Cosmin, Nemes Ciprian, Photovoltaic panels analysis based on Simulink tools, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22-23 Oct. 2020, Iasi, Romania. DOI: 10.1109/EPE50722.2020.9305559
17. Tiganasu Cosmin, Cercel George, Nemes Ciprian, Self-Consumption Indices Evaluation for a Residential Load Profile, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22-23 Oct. 2020, Iasi, Romania. DOI: 10.1109/EPE50722.2020.9305559
18. F. C. Baiceanu, F. Munteanu, C. Nemes, "Influence of Multi-Pulse Rectifier on Power Quality in an Industrial Environment"- 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj-Napoca, Romania. DOI: 10.1109/MPS.2019.8759775
19. C. Mihalcea, F. Munteanu, C.Nemes, F. Baiceanu " Lifetime Availability Analysis of High Voltage Circuit Breakers for Maintenance Optimization" 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj-Napoca, Romania. DOI: 10.1109/MPS.2019.8759677
20. Nemes C., Baiceanu F., Tiganasu C "Assessment of Photovoltaic Modules' Parameters Using the On-Site Measurements"- 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, Cluj-Napoca, Romania. DOI: 10.1109/MPS.2019.8759777 , ISBN: 978-1-7281-0750-9.
21. Cosmin Tiganasu, Ciprian Nemes , Florin Munteanu , Daniel Muneanu, Cezar Scinteie The load management concept applied on the residential sector , 12th International Conference on Electromechanical and Energy Systems (SIELMEN 2019), October 9-11, 2019, Chişinău, Republic of Moldova, DOI: 10.1109/SIELMEN.2019.8905817, ISBN: 978-1-7281-4011-7.
22. Ciprian Nemes, Mihaela Adochitei, Florin Munteanu, Alexandra Ciobanu, Octav Neagu, Self-consumption enhancement on a low-voltage grid-connected photovoltaic system, 5th IEEE International Energy Conference ENERGYCON 2018, 3-7 Jun 2018, Cyprus DOI: 10.1109/ENERGYCON.2018.8398839, WOS:000465417100106
23. Ciprian M. Nemeş ; Cezar G. Scînteie ; Romeo Ciobanu, Enhancement of Annual Energy Production Based on Optimal Adjustment of PV Panels Orientation, 5th IEEE International Energy Conference ENERGYCON 2018, 3-7 Jun 2018, Cyprus DOI: 10.1109/ENERGYCON.2018.8398835, WOS:000465417100102

	24. Ciprian Nemes; Romeo Ciobanu; Calin Rugina; Probabilistic Analysis of Sky Clearness Index for Solar Energy Systems Planning, 2018 Smart City Symposium Prague (SCSP), 24-25 May 2018, Prague, Czech Republic, DOI:10.1109/SCSP.2018.8402677, WOS:000443451800032 25. Alexandru Ciocea, Florin Munteanu, Ciprian Nemes, Method to Assess the Degradation Risk of Photovoltaic Systems, 10th International Conference and Exposition on Electrical Power Engineering, 18-19 October 2018, Iasi, Romania. pp. 0159 – 0164, DOI: 10.1109/ICEPE.2018.8559803 , WOS:00045875220003 26. Florin Munteanu, Alexandra Ciobanu, Ciprian Nemes, A Bayesian Approach of the Availability Complementarity of Renewable Resources, 10th International Conference and Exposition on Electrical Power Engineering, 18-19 October 2018, Iasi, Romania, pp. 0731 – 0736, DOI: 10.1109/ICEPE.2018.8559738 , WOS:000458752200143 27. Ciprian Nemes, Florin Munteanu, An IoT Load Management System for Residential Photovoltaic Prosumers, 10th International Conference and Exposition on Electrical Power Engineering, 18-19 October 2018, Iasi, Romania, pp. 0037 – 0041, DOI: 10.1109/ICEPE.2018.8559854 , WOS:000458752200007 28. Ciprian Nemes, Florin Munteanu, Dragos Astanei, Mihaela Larion, Mihaela Adochitei, Voltage dips analysis for grid connections of dispatchable photovoltaic systems, 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 25-27 May 2017 , Brasov, Romania, pp. 783-788, DOI: 10.1109/OPTIM.2017.7975064 , WOS:000426909600120 29. A.Ciobanu; F. Munteanu; C. Nemes; D. Astanei, Data - driven Bayesian networks for reliability of supply from renewable sources, 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 25-27 May 2017, Brasov, Romania, pp. 84-89, DOI: 10.1109/OPTIM.2017.7974952, WOS:000426909600012 30. Ciprian Nemes; Florin Munteanu; Dragos Astanei; Alexandra Ciobanu; Mihaela Adochitei; Mihaela Larion, A correlation between photovoltaic system production and local solar resources, 14th International Conference on Engineering of Modern Electric Systems (EMES 2017), 1-2 June 2017, Oradea, Romania, pp. 47-50, DOI: 10.1109/EMES.2017.7980378 WOS:000427085200011 31. D. Astanei; F. Munteanu; C. Nemes; A. Ciobanu; M. Ionescu; M. Adochitei, Light flicker detection using high-speed imaging, 7th International Conference on Modern Power Systems (MPS), 6-9 June 2017, Cluj-Napoca, Romania DOI:10.1109/MPS.2017.7974448 , WOS:000428462600076 32. Alexandra Ciobanu, F.Munteanu, C. Nemes, D.Astanei, Availability Model of Wind and Solution to Immunize the Generators Against Short Time Perturbations , International Symposium on Fundamentals of Electrical Engineering, University Politehnica of Bucharest, Romania, June 30 - July 2, 2016, DOI: 10.1109/ISFEE.2016.7803166, WOS:000392434400018 33. F. Munteanu; Alexandra Ciobanu; C. Nemes, From technical design structures to Bayesian networks in power engineering, 2016 International Conference on Applied and Theoretical Electricity (ICATE), 6-8 Oct. 2016, Craiova, Romania, pp: 1 – 6, DOI: 10.1109/ICATE.2016.7754625 , WOS:000390767500025 34. A. Ciobanu; F. Munteanu; C. Nemes, Bayesian networks utilization for reliability evaluation of power systems, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 Oct. 2016, Page(s):837 – 841, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300164 35. D. Astanei ; C. Nemes ; F. Munteanu ; A. Ciobanu, Annual energy production estimation based on wind speed distribution, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 Oct. 2016, Page(s): 862 – 867, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300169

	36. Ciprian Nemes; Florin Munteanu; Mugurel Rotariu; Dragos Astanei, Availability assessment for grid-connected photovoltaic systems with energy storage, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20- 22 Oct. 2016, Page(s): 908 – 911, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300177 37. Astanei Dragos, Munteanu Florin, Nemeș Ciprian, Pellerin Stephane, Hnatiuc Bogdan, Electrical diagnostic of high voltage discharges produced by a new spark-plug, 13th International Conference on Engineering of Modern Electric Systems (EMES), 11-12 June 2015, Oradea, Romania, pp. 1-4, DOI:10.1109/EMES.2015.7158388, WOS:000363815100001 38. Ciprian Nemeş, Florin Munteanu, Dragoș Astanei, Annual energy harvest of LACARP photovoltaic system, 6th International Conference on Modern Power Systems MPS2015, 18-21 May 2015, Cluj-Napoca, Romania, Published in Acta Electrotehnica, vol. 2015, nr. 3, pp. 213-219, 2015 39. Munteanu Florin, Nemes Ciprian, Astanei Dragos, Ciobanu Alexandra, „DATA MINING FOR WIND AVAILABILITY MODELING", proceedings of 7th International Conference on ENERGY and ENVIRONMENT (CIEM), octombrie 2015, Iaşi, România. 40. Ciprian Nemeș, Romeo Ciobanu, Calin Rugina, Probabilistic Analysis of Sky Clearness Index for Solar Energy Systems Planning, 2018 Smart City Symposium Prague (SCSP), 24-25 May 2018, Prague, Czech Republic, DOI:10.1109/SCSP.2018.8402677, WOS:000443451800032 41. Dragos Astanei, Florin Munteanu, Ciprian Nemeș, A. Ciobanu; M. Ionescu; M. Adochitei, Light flicker detection using high-speed imaging, 7th International Conference on Modern Power Systems (MPS), 6-9 June 2017, Cluj-Napoca, Romania, DOI:10.1109/MPS.2017.7974448 , WOS:000428462600076 42. Ciprian Nemeș; Florin Munteanu; Dragos Astanei; Alexandra Ciobanu; Mihaela Adochitei; Mihaela Larion, A correlation between photovoltaic system production and local solar resources, 14th International Conference on Engineering of Modern Electric Systems (EMES 2017), 1-2 June 2017, Oradea, Romania, pp. 47-50, DOI: 10.1109/EMES.2017.7980378, WOS:000427085200011 43. AlexandraCiobanu, Florin Munteanu, Ciprian Nemeș, Dragos Astanei, Data - driven Bayesian networks for reliability of supply from renewable sources, 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 25-27 May 2017, Brasov, Romania, pp. 84-89, DOI: 10.1109/OPTIM.2017.7974952, WOS:000426909600012 44. Ciprian Nemeș, Florin Munteanu, Dragos Astanei, Mihaela Larion, Mihaela Adochitei, Voltage dips analysis for grid connections of dispatchable photovoltaic systems, 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 25-27 May 2017 , Brasov, Romania, pp. 783- 788, DOI: 10.1109/OPTIM.2017.7975064 , WOS:000426909600120 45. Alexandra Ciobanu, F.Munteanu, C. Nemes, D.Astanei, Availability Model of Wind and Solution to Immunize the Generators Against Short Time Perturbations , International Symposium on Fundamentals of Electrical Engineering, University Politehnica of Bucharest, Romania, June 30 – July 2, 2016, DOI: 10.1109/ISFEE.2016.7803166, WOS:000392434400018 46. Florin Munteanu, Alexandra Ciobanu, Ciprian Nemeș, From technical design structures to Bayesian networks in power engineering, 2016 International Conference on Applied and Theoretical Electricity (ICATE), 6-8 Oct. 2016, Craiova, Romania, pp: 1 – 6, DOI: 10.1109/ICATE.2016.7754625 , WOS:000390767500025 47. Alexandra Ciobanu, Florin Munteanu, Ciprian Nemeș, Bayesian networks utilization for reliability evaluation of power systems, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 Oct. 2016, Page(s):837 – 841, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300164

	48. Dragos Astanei, Ciprian Nemeş Florin Munteanu, Alexandra. Ciobanu, Annual energy production estimation based on wind speed distribution, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20-22 Oct. 2016, Page(s): 862 – 867, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300169 49. Ciprian Nemeş, Florin Munteanu, Mugurel Rotariu, Dragos Astanei, Availability assessment for grid-connected photovoltaic systems with energy storage, 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), 20- 22 Oct. 2016, Page(s): 908 – 911, DOI: 10.1109/ICEPE.2016.7781454 , WOS:000390706300177 50. Ciprian Nemeş, Sorina Costinas, Yield and availability analysis of grid-connected photovoltaic systems – a case study for Iasi region, Romania, 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (Electromotion), 2-4 September 2015, Side – Turkey, pp. 135-140, DOI: 10.1109/OPTIM.2015.7426955, WOS:000382957000026 51. Astanei Dragos, Munteanu Florin, Nemeș Ciprian, Pellerin Stephane, Hnatiuc Bogdan, Electrical diagnostic of high voltage discharges produced by a new spark-plug, 13th International Conference on Engineering of Modern Electric Systems (EMES), 11-12 June 2015, Oradea, Romania, pp. 1-4, DOI:10.1109/EMES.2015.7158388, WOS:000363815100001 52. Sorina Costinas, Ciprian Nemeş, Ion Tristiu, Gabriela Nicoleta Sava, Quality Cost of Power Supply and Pay-Back Capital of This, 14th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2014), May 22-24, 2014, Brasov, Romania, pp. 124 – 129, DOI: 10.1109/OPTIM.2014.6850969, WOS:000343551300019 53. Florin Munteanu, Ciprian Nemeş, Availability Evaluation of Wind as a Repairable System, 14th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2014), May 22-24, 2014, Brasov, Romania, ISSN: 978-1-4799-5183- 3, pp. 756-761, WOS:000343551300111 54. Florin Munteanu, Ciprian Nemeş, D. Astanei, Power Quality Indices Proposal for Networks Operating in Sinusoidal and Unbalanced Conditions, 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE), University Politehnica of Bucharest, Romania, November 28-29, 2014, pp. 1 – 6, DOI: 10.1109/ISFEE.2014.7050553, WOS:000380570500021 55. Florin Munteanu, Ciprian Nemeş, Monica Atudori, Loredana Galca, Reliability model to estimate power quality and reliability of supply, 12th International Conference on Environment and Electrical Engineering, Wroclaw, Poland, 5– 8 May 2013, pp. 94-99, DOI:10.1109/EEEIC.2013.6549597, WOS:000395539900017 56. Ciprian Nemeş, Munteanu, F., A parametrical analysis of wind turbine energy performance, 2013 Integration of Stochastic Energy in Power Systems (ISEPS), University Politehnica of Bucharest, Romania, November 07, 2013, pp. 8 –13, DOI: 10.1109/ISEPS.2013.6707944, WOS:000349473300002 57. Florin Munteanu, Ciprian Nemeş, Mariana Munteanu, New Trends on Power Quality – Light Sensitivity Relationship and its Influence on Human Health, 2012 International Conference and Exposition on Electrical and Power Engineering, October 25-27, 2012, Iasi, Romania (EPE 2012), pp. 928-933, 6 pg., DOI:10.1109/ICEPE.2012.6463813, WOS:000324685300170 58. Ciprian Nemeş, Florin Munteanu, An Analysis of a Photovoltaic Panel Model Comparison Between Measurements and Analytical Models, 2012 International Conference and Exposition on Electrical and Power Engineering, October 25-27, 2012, Iasi, Romania (EPE 2012), pp. 939-944, DOI:10.1109/ICEPE.2012.6463811, WOS:000324685300172 59. Giuseppe Marco Tina, Carmelo Brunetto, Ciprian Nemeş, Adequacy Indices to Evaluate the Impact of Photovoltaic Generation on Balancing and Reserve Ancillary Service Markets, 2012 International Conference and Exposition on Electrical

	and Power Engineering, October 25-27, 2012, Iasi, Romania(EPE 2012), pp. 945-950, DOI:10.1109/ICEPE.2012.6463810 , WOS:000324685300173 60. Florin Munteanu; Ciprian Nemeș; The Maintenance Strategies Influence on the Reliability of Power Plant Generating Units, 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2012), 24- 26 May 2012, Brasov, Romania, pp. 103-108, DOI:10.1109/OPTIM.2012.6231761, WOS:000398866700015 61. Ciprian Nemeş, Florin Munteanu, Reliability Consideration on Wind Farms Energy Production, 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2012), 24- 26 May 2012, Brasov, Romania, pp. 183-187, DOI: 10.1109/OPTIM.2012.6231759, WOS:000398866700027 62. Ciprian Nemeș; Costandache, N.; Munteanu, F., Probabilistic Approach for Circuit- Breaker Availability, 19th Symposium on Physics of Switching Arc Location: Brno, Czech Republic September 05-09, 2011, pp. 287-290, WOS:000393239500058 63. Ciprian Nemeş, Florin Munteanu, Optimal Selection of Wind Turbine for a Specific Area, 12th International Conference on Optimization of Electrical and Electronic Equipment, May 20-22, 2010, Brasov, Romania, (OPTIM 2010), pp. 1224-1229, OI:10.1109/OPTIM.2010.5510577, WOS:000291967300183 64. Munteanu Florin, Nemes Ciprian, Astanei Dragos, Ciobanu Alexandra, Data mining for wind availability modeling, proceedings of 7th International Conference on Energy and Environment (CIEM 2015), octombrie 2015, Iaşi, România. 65. Ciprian Nemes, Marcel Istrate, Probabilistic assessment of annual energy production from wind farms, Proceedings of 35th International Conference on Fundamentals of Electrotechnics and Circuit Theory (35th IC-SPETO), Gliwice-Ustron, Poland, 23-26 may 2012, ISBN 978-83-85940-34-0, pp. 71- 72, 2 pg., 2012. 66. Ciprian Nemeş, Mbuyamba Tshibanda, Stochastic Analysis for Wind Speed Forecasting, The International Conference INnovation and Collaboration in Engineering Research (INCER), 2–4 July 2012, Bucharest, Romania, CD format, 5 pg., 2012. 67. Florin Munteanu, Ciprian Nemeş, Statistical inference for Energy Consumption and Productivity Indices Evaluation in a Steelmaking Plant, Proceedings of the 8th edition of International Conference on Industrial Power Engineering, CIEI 2011 Bacău, Romania, ISSN - 2069-9905, paper presented in Plenary Session, 2011. 68. Ciprian Nemeş, Marcel Istrate, Effects of wind profile in the wind energy systems performance, International Workshop on Deregulated Electricity Market Issues in South- Eastern Europe, Bled, Slovenia. 20-21 September, ISBN 978-961-243-183-9, paper 95, 6 pg., 2011. 69. Florin Munteanu, Ciprian Nemes, Wide Area Power Quality Monitoring, Proceedings on the 6th International Conference on Electrical & Power Engineering. EPE 2010, October 28-30, Iasi, Romania, ISBN 978-606-13-007-8, pp. 241-244, 4 pg., 2010. 70. Florin Munteanu, Ciprian Nemeş, New Method For Steady State Security Assessment of Power Networks, Proceedings on the 6th International Conference on Electrical & Power Engineering. EPE 2010, October 28-30, Iaşi, Romania, ISBN 978-606-13-0077- 82010, pp 245-248, 4 pg., 2010 71. Ciprian Nemeş, Florin Munteanu, Wind generation forecasting using time series techniques, Proceedings of the 7th National Conference on Industrial Energetics with International Participation, CNEI 2009 Bacău, 5-7 November, ISBN 978-606-527-050-3, pp. 493-499, 2009. 72. Ciprian Nemeş, Florin Munteanu, A reliability-based equivalence between conventional power and wind power generation, 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, Iaşi, Romania, vol I, ISBN 978-606-520-618-2, ISBN_vol I 978-606-520-617-5., pp. 375-379, 5 pg., 2009.

	73. Mbuyamba Tshibanda, Ciprian Nemeş, Prof Jan-Harm C Pretorius, Negative Effects of Energy- Saving, Non-Linear Loads on LV Systems: Causes and Recommendations, 4th International Conference on Energy and Environment CIEM'09 12-14 November 2009, Conference CD ISSN 2067-0893, Bucharest, paper 3, sect. 9, 2009. 74. Catalin Pancu, Ciprian Nemeş, Adrian Baraboi, Maricel Adam, The using of artificial intelligence in the reliability indices optimisation of electrical equipment, The National Conference of Industrial Energetics CNEI 2007 Bacau, University of Bacău, Engineering Faculty, 1-3 November 2007, Ed. Alma Mater, ISSN 1224-7480, pp. 179-184, 6 pg., 2008. 75. Ciprian Nemeş, Florin Munteanu, Dumitru Ivas, Evaluation of the electric power equipment reliability, 2008 International World Energy System Conference. Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper B021-II1 Session, 2008. 76. Ciprian Nemeş, Florin Munteanu, Irina Ciornei, Optimal relationship between operation and maintenance intervals, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper B022-II1 Session, 2008. 77. Florin Munteanu, Ciprian Nemeş, Monica Rotariu, Intelligent controlled switching influence on power quality, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, Plen Session, 2008. 78. Florin Munteanu, Ciprian Nemeş, Dumitru Ivas, The IEEE RTS utilization in Romania for reliability analysis of power systems: opportunity and difficulties, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper B037-II1 Session, 2008. 79. Dumitru Ivas, Ciprian Nemeş, Florin Munteanu, Constantin Darzan, The models for security and risk indices evaluation in the electric power systems develops, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper B035-II1 Session, 2008. 80. Dumitru Ivas, Ciprian Nemeş, Florin Munteanu, Constantin Darzan, The Models of Reliability Evaluation for Systems with Dependent Elements and Variable Structure, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania, June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper B036-II1 Session, 2008. 81. 4Ciprian Nemeş, Florin Munteanu Probabilistic approach for thermal and electrodynamics stresses distribution functions, Twelfth International Conference on Electrical Machines, Drive s and Power Systems ELMA2008, Technical University of Sofia Bulgaria, ISSN 1313-4965, pp. 164-168, 5 pg., 2008. 82. Irina Ciornei, Ciprian Nemeş, The future hybrid renewable power system and its generation dispatch, 2008 International World Energy System Conference, Technical University "Gh. Asachi" Iaşi, Romania June 30-July 2, 2008, ISSN 1198-0729, Format CD, paper A41-III Session, 2008. 83. Ciprian Nemeş, C-tin Darzan, Florin Munteanu, Elena Istrate, Dumitru Ivas, The influence of controlled switching on the circuit breaker reliability, Conferinta Nationala si Expozitia Energetica CNEE 2007 Sinaia, 7-9 Noiembrie 2007, Editura SIER Bucuresti, ISSN: 1843-6005, pp. 699-702, 4 pg., 2007. 84. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, C-tin Darzan Elena Istrate, Bogdan Luminariu, Intelligent apparatus and switching in power systems – principles and practical solutions. Conferinta Nationala si Expozitia Energetica CNEE 2007 Sinaia, 7-9 Noiembrie 2007, Editura SIER Bucuresti, ISSN: 1843-6005, pp. 1015-1019, 5 pg. 2007. 85. Ciprian Nemeş, Cătălin Pancu, The reliability prediction using simulations and neuronal networks, International Symposium on Electrical Engineering and Energy Converters, ELS 2007 Suceava, 27- 28 September 2007, ISBN: 978-973-666-259-1, pp. 196-199, 4 pg., 2007.

	86. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Interferentele eficientei energetice optime, Simpozionul International de Eficienta Energetica, ed. a V-a SIEE2006, Cluj- Napoca, 03-05 octombrie 2006, ISBN 973-686-928-8, 978-973-686-928-0, pp. 45-50, 6 pg., 2006. 87. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, The models of risk in the developing and working of the electrical power system, 4-th International Conference on Electrical and Power Engineering EPE 2006, Iaşi, Romania, October 12-14, 2006, Published in Bulletin of the Polytechnic Institute of Iaşi, tomul LII (LVI), fasc. 5C, pp. 1139-1144, 6 pg., 2006. 88. Ciprian Nemeş, Florin Munteanu, Dumitu Ivas, Probabilistic approach of controlled switching, 4-th International Conference on Electrical and Power Engineering EPE 2006, Iaşi, Romania, October 12- 14, 2006, Published in Bulletin of the Polytechnic Institute of Iaşi, tomul LII (LVI), fasc. 5C, pp. 1151- 1154, 4 pg., 2006. 89. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, The impact of the new based-on- intelligentequipment management methods on the structure of the distribution power networks nodes, Second Regional Conference and Exhibition on Electricity Distribution, organized by CIRED Committee of the states of Serbia and Montenegro, 17-20 October 2006, Zlatibor, Serbia, CD format, paper: 054-2006, Book of abstracts: ISBN 86-83171- 13-2, pp. 7, 2006. 90. Ciprian Nemeş, Dumitu Ivas, Florin Munteanu, Probabilistic approach for thermal and electrodynamic stresses distribution functions, Second Regional Conference and Exhibition on Electricity Distribution, organized by CIRED Committee of the states of Serbia and Montenegro, 17-20 October 2006, Zlatibor, Serbia, CD format, paper: 160- 2006, Book of abstracts: ISBN 86-83171-13-2, pp. 11, 2006. 91. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, From controlled switching to intelligent switching, Second Regional Conference and Exhibition on Electricity Distribution, organized by CIRED Committee of the states of Serbia and Montenegro, 17-20 October 2006, Zlatibor, Serbia, CD format, paper: 185-2006, Book of abstracts: ISBN 86-83171- 13-2, pp.47, 2006 92. Ciprian Nemeş, Dumitru Ivas, Aspecte privind influenţa sistemului electroenergetic asupra fiabilităţii întreruptoarelor, Al XIX-lea Simpozion Naţional "Siguranţă în Funcţionare a Sistemului Energetic" Sinaia, 28 - 30 septembrie 2005, ISBN 973-87456- 0-8, pp. 165-169, 5 pg., 2005. 93. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Asupra fiabilităţii sistemelor multivalente, de producţie şi deservire, Al XIX-lea Simpozion Naţional "Siguranţă în Funcţionare a Sistemului Energetic" Sinaia, 28 - 30 septembrie 2005, ISBN 973-87456- 0-8, pp. 191-195, 5 pg., 2005. 94. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Lucian Baron, Limits of independent elements assumption in reliability system analysis and exceeding possibility, 5th International Conference on Electromechanical and Power Systems, October 6-8, 2005, Chisinau, vol I, ISBN:973-716-208-0, pp. 395-398, 4 pg., 2005. 95. Ciprian Nemeş, Dumitru Ivas, Model for estimation of the strength distributions using the stressstrength interference, 5th International Conference on Electromechanical and Power Systems, October 6-8, 2005, Chisinau, vol I, ISBN:973-716-208-0, pp. 173-174, 2 pg., 2005. 96. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, A method to establish the mean of number of operations for the IO 110 kV circuit breaker, The International Conference on Energy and Environment, Bucharest 20 - 22 October 2005, Section 2 Reliability, Risk, Maintenance, pp. 2.47- 2.51, 5 pg., 2005 97. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, The models of risk in the management of the electric power system, The International Conference on Energy and Environment, Bucharest 20 - 22 October 2005, Section 2 Reliability, Risk, Maintenance, pp 2.52- 2.59, 8 pg, 2005. 98. Ciprian Nemeş, Dumitru Ivas, The statistic character of the short-circuit currents stresses. Ediţia a V-a Conferinţa

	Naţională de Energetică Industrială cu participare internaţională CNEI 2005, Bacău 10–12 Noiembrie 2005, ISSN 1224-7480, pg 109-133, 5 pg., 2005. 99. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Systemically connections in theoretical and practical reliability, Ediţia a V-a Conferinţa Naţională de Energetică Industrială cu participare internaţională CNEI 2005, Bacău 10–12 Noiembrie 2005, ISSN 1224-7480, pp. 184-188, pg. 5 pg. 2005. 100. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, The dynamic relations inside the state vector components - a criterion for technical systems reliability and risk evaluation, The International World Energy System Conference WESC 2004, Oradea, ISSN 1198-0729, pg. 12-15, 4 pg., 2004. 101. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, New criterions for optimal development and exploitation network the statistical selectivity and relative sensitivity, Regional Conference and Exhibition on electricity distribution, Conference organized by CIRED Herceg Novi, Montenegro, 5-8 October 2004, pp. 76-82, 7 pp, 2004. 102. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, The models of risk in the management of the electrical power system, WEC Regional Energy Forum – FOREN 2004, 13-17 June 2004, Neptun Olimp - Romania (format electronic - CD), paper no: S2_20, 8 pg., 2004. 103. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Gheorghe Chiriac, Binomul scop-mijloc instrument de evaluare şi planificare a eficienţei energetice, Simpozionul Internaţional de Eficienţă Energetică, ed. a IV-a, 18-20 octombrie 2004, Cluj-Napoca, pp. 103-108, 6 pg., 2004. 104. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Une Generalisation de la notion de fiabilite pour les systemes multivalentes, de production et d'offre, 4th international Conference on Electromechanical and Power Systems SIELMEN 2003, Chişinău 26-27 September 2003, vol. II, .ISBN 9975-9704-9-4, pp. 51-54, 4 pg., 2003. 105. Ciprian Nemeş, Dumitru Ivas, Modelarea solicitării la scurtcircuit a echipamentelor din staţiile electrice în calculul indicatorilor de fiabilitatea a acestora, Al XVIII-lea Simpozion Naţional "Siguranţa în funcţionare a sistemului energetic" SIG 2003, 24-26 septembrie 2003 Oradea, Secţia1 Siguranţa în funcţionare a instalaţiilor de transport a energiei electrice, lucrarea 1.33, 6 pg., 2003. 106. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, Modelarea fiabilităţii contactelor întreruptoarelor electrice bazată pe fizica electroeroziunii, Conferinţa Internaţională Energie - Mediu CIEM 2003, 22-25 octombrie 2003, Bucureşti, vol.I. Sesiunea Fiabilitate, Risc, Mentenanţă, Ed. Academiei Române, ISBN 973-27-1032-2, pp. 2.16– 2.20, 5 pg. 2003. 107. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Ioan Mălăescu, Asupra modelării fiabilităţii sistemelor cu elemente dependente, Conferinţa Internaţională Energie - Mediu CIEM 2003, 22-25 octombrie 2003, Bucureşti, vol.I. Sesiunea Fiabilitate, Risc, Mentenanţă, Ed. Academiei Române, ISBN 973-27-1032-2, pp. 2.21 - 2.27, 7 pg., 2003 108. Ciprian Nemeş, Dumitru Ivas, Asupra metodelor de calcul al fiabilităţii echipamentelor electrice, folosind modelele solicitate-rezistenţă-timp, Simpozionului Naţional de Reţele Electrice SNRE 2002, Oradea, lucrare I.5, 6 pg., 2002. 109. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Riscul producătorilor în relaţiile dintre parteneri pe piaţa de energie, Conferinţa Naţională a Energiei, FOREN 2002, June 09- 13, 2002, Neptun Olimp - Romania (format electronic - CD), 2002. 110. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Managementul riscului între relaţiile dintre partenerii de pe piaţa de energie, Simpozionul Naţional Siguranţă în Funcţionare a Sistemului Energetic, Ediţia a XVII-a, vol 1, Deva 26-28 sept. 2001, pp. 12-18, 7 pg., 2001. 111. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, B. Bagen, Modelarea intensităţii de defectare în perioada de rodaj a elementelor, Simpozionul Naţional Siguranţă în Funcţionare a Sistemului Energetic, Ediţia a XVII-a, vol 1, Deva 26-28 sept.

	2001, pp. 56-62, 7 pg., 2001. 112. Ciprian Nemeş, Dumitru Ivas, Florin Munteanu, Estimarea defecţiunilor folosind modelul static solicitare – rezistenţă, A treia Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, SIELMEN 2001, Chişinău, 4-6 octombrie 2001, vol II, Secţiunea Fiabilitate şi Diagnoză, ISBN 9975 – 9638 – 7 – 0, pp. 149-152, 4. pg., 2001. 113. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Privire critică asupra metodelor de influenţare a fiabilităţii, A treia Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, SIELMEN 2001, Chişinău, 4-6 octombrie 2001, vol II, Secţiunea Fiabilitate şi Diagnoză, ISBN 9975 – 9638 – 7 – 0, pp. 161-164, 4. pg., 2001. 114. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Nicolae Brumă, Coculeana Popa, Trecerea la noile tehnologii de dezvoltare şi exploatare a reţelelor electrice, evoluţia sau revoluţie?, Simpozionul Naţional de Reţele Electrice, ediţia a X-a, vol. I, SNRE 25-26 mai 2000, Iaşi, pp. 39-45, 7 pg., 2000. 115. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Nicolae Brumă, Coculeana Popa, Tehnici de ameliorare a calităţii serviciului de alimentare cu energie electrică, Simpozionul Naţional de Reţele Electrice, ediţia a X-a, vol. I, SNRE 25-26 mai 2000, Iaşi, pp. 254-263, 7 pg., 2000. 116. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Privire critică asupra modelelor şi metodelor de calcul a fiabilităţii sistemelor, limitele acestora in domeniul energetic necesitaţi şi perspective, Al XVI-lea Simpozion Naţional "Siguranţa în Funcţionare a Sistemului Energetic" Bacău, 22-23 Septembrie 1999, pp. 5-14, 10 pg., 1999. 117. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Tudor Mocanu, Calitate şi fiabilitate in condiţiile reglementarii pieţei de energie, Al XVI-lea Simpozion Naţional "Siguranţa în Funcţionare a Sistemului Energetic" Bacău, 22-23 Septembrie 1999, pp. 57-65, 9 pg., 1999. 118. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Criterii sistemice de eficienţă energetică, Simpozionul Internaţional de Eficienţă Energetică, Cluj-Napoca, 12-14 Octombrie, 1999. 119. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Energia electrică, Marfă sau serviciu? Criterii sistemice de apreciere a calităţii energiei electrice, Al III-lea Simpozion "Calitatea Energiei Electrice", Targovişte, 8-9 decembrie 1999, pp. 100-104, 5 pg., 1999. 120. Dumitru Ivas, Florin Munteanu, Ciprian Nemeş, Indices to Evaluate the Network Nodes Structure, Proceedings of the Third International Power System Conference, november 18-20,1999, Timişoara, România, published in Bulletin of Politehnica University, vol. III, tom 44(58), fasc. 2, ISSN 1224-6034. pp. 80-84, 5 pg., 1999. 121. Florin Munteanu, Dumitru Ivas, Ciprian Nemeş, Tudor Mocanu, A combined criterion for electricity distribution networks restructuring, Proceedings of the Third International Power System Conference, november 18-20,1999, Timişoara, România, published in Bulletin of Politehnica University, vol. III, tom 44(58), fasc. 2, ISSN 1224-6034. pp. 85- 90, 6 pg., 1999.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Ciprian Nemes, Florin Munteanu."Metodă pentru managementul receptoarelor consumatorilor rezidențiali alimentați din surse fotovoltaice proprii" Cerere brevet nr. A00161/08.03.2018
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Sistem de majorare a indicatorilor de autoconsum din surse fotovotaice, folosind conversia si stocarea sub forma de energie termica, Proiect tip PN-III-P3-3.1-PM-ROCN- 2018-0093 / 02.07.2018-31.12.2018. Valoare 49.500 ron. Director proiect: CiprianNemeş 2. Sistem inteligent pentru managementul sarcinii consumatorilor rezidentiali alimentati din surse fotovoltaice, Proiect tip

	PN-III-P2-2.1-CI-2017-0823 nr. 145 CI / 10.10.2017- 11.04.2018. Valoare 44990 ron. Director proiect: Ciprian Nemeş 3. Utilizarea modelelor analitice si a tehnicilor de inteligenta artificiala in optimizarea indicatorilor de fiabilitate a echipamentelor electroenergetice, prin monitorizarea solicitărilor. CNCSIC-AT/2007-2008, Cod CNCSIS – 29, Contract nr. : 33 GR /23.05.2007, 77 GR /11.06.2008.Valoare: 17000/2007; 18000/2008, Director proiect: Ciprian Nemeş 4. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil, Proiect international - ERA NET Cofund-83/2016-2017 (SMART URBAN ISLE). Membru: Ciprian Nemeş 5. Construire platformă de cercetare pentru integrarea resurselor regenerabile in instalatii autonome-COPRESA, Proiect finanţat prin programul operaţional sectorial creşterea competitivităţii economice, axa prioritară 2 – Competitivitate prin CDI, operatiunea 2.3.2: Dezvoltarea infrastructurii de C-D a întreprinderilor, cu crearea de noi locuri de munca pentru C-D. Proiect nr. 608/10.12.2013 coordonat de S.C. DAS S.R.L. Iaşi. Valoarea totală de 6.126.355,31 RON, din care asistenţa financiară nerambursabilă este de 2.443.129 RON. Membru UTI: Ciprian Nemeş 6. Cercetări privind integrarea surselor regenerabile de energie: studii în direcţia dezvoltării serviciului de alimentare cu energie electrică. Domeniul de cercetare: Mediu dezvoltare durabilă, Proiect: Performanţă prin postdoctorat pentru integrarea in aria europeană de cercetare, PERFORM-ERA, ID – 57649, 2010 - 2013, POSDRU/89/1.5/S/57649 Proiect finanţat prin Programul Operaţional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013. Buget total proiect: 20.813.320 RON, din care finanţare nerambursabilă 20.016.735 RON. Proiect coordonat de Prorectoratul Ştiinţific al Universtităţii Tehnice "Gheorghe Asachi" din Iaşi. Membru / cercetător postdoc: Ciprian Nemeş 7. Aparate si comutari inteligente in sistemele electroenergetice, Proiect CEEX – MENER nr. 607/2005-2007, Valoare: 48936.21/2005; 168000/2006; 50000/2007, Membru: Ciprian Nemeş 8. Dezvoltarea parteneriatelor C/D in vederea promovării unor proiecte europene în domeniul sistemelor distribuite de monitorizare a mediului, CEEX Modul 3, contract 201/2006, 2006 – 2008, Membru: Ciprian Nemeş. 9. Cercetari privind dezvoltarea uniu sistem pentru monitorizarea si optimizarea indicatorilor de autoconsum din surse distribuite Contract nr. 16052P\07.09.2017 - 15.10.2018, Beneficiar: SC DAS SRL Iasi. Valoare: 45000 RON + TVA, Responsabil temã: Ciprian Nemes. 10. Cercetari experimentale privind calitatea energiei electrice si solutii de ameliorare in cadrul Arcelor Mittal Galati. Contract nr. 141P\26.01.2017, Beneficiar: SC Arcelor Mittal Galati. Valoare: 33750 RON + TVA, Membru: Ciprian Nemes 11. Masuratori privind calitatea energiei electrice si solutii de ameliorare in cadrul Arcelor Mittal Galati. Contract nr. 2016P\15.12.2015 - 19.09.2016 , Beneficiar: SC Arcelor Mittal Galati. Valoare: 30000 RON + TVA. Membru: Ciprian Nemes 12. Estimarea productiei de energie electrica si dimensionarea parcului fotovoltaic de 132,6 kWp – Letcani, Contract nr. 3872P / 04.03.2013, Beneficiar: SC Consult Finance SRL Iasi. Valoare: 3500+ TVA= 4340 RON, Responsabil temã: Ciprian Nemes. 13. Cercetări experimentale privind proiectarea, functionarea si exploatarea panourilor fotovoltaice si optimizarea sistemelor inteligente de orientare biaxială. Contract nr. 2274P / 17.12.2012 - 15.06.2014, Beneficiar: SC DAS SRL Iasi. Valoare: 20.000 euro+TVA. Membru: Ciprian Nemes 14. Evaluarea prin calcul a câmpurilor electrice şi magnetice de 50Hz în zona traversărilor variantei de ocolire a mun. Iaşi, de către LEA 220 kV Gutinaş-Munteni-FAI, Contract nr. 2874P / 31.08.2011, Beneficiar: SC Electromontaj SA, Sucursala Iaşi. Valoare: 2000 RON. Responsabil temă: Ciprian Nemeş 15. Substaţiile de tracţiune la Regionala CFR Iaşi şi siguranţa circulaţiei pe căile ferate, Contract nr. 7680P/2007 Beneficiar: E-on Energie Iasi. Valoare: 12.500+TVA=14.875RON, Membru: Ciprian Nemes

	16. Studiul şi determinarea prin calcul a tensiunilor induse în LEA 220-400 kV din gestiunea ST. Bacău, în condiţii speciale de paralelism, în vederea respectării valorilor limită admise, Contract nr. 3274P/17.10.2005, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău. Valoare 99000+TVA=11781 RON, Membru: Ciprian Nemeş 17. Măsurarea tensiunii de atingere şi de pas la staţia 110/20/6 kV Comăneşti, Contract nr. 321P/13.02.2004, Beneficiar: S.C. ELCO SA Botosani, Valoare 2000+TVA=2.380 RON, Responsabil temă: Ciprian Nemeş 18. Instrumente matematice de modelare a comportării construcţiilor hidrotehnice bazate pe metoda seriilor de timp, Contract nr. 1910P/23.09.2004, Beneficiar: Universitatea Tehnicã Cluj Napoca, Valoare 15.000+TVA=17.850 RON, Responsabil temă: Ciprian Nemeş 19. Modelarea fiabilităţii sistemelor cu structură dinamică aplicată sistemelor de transport al energiei electrice, Contract nr. 1579P/24.07.2004, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău, Valoare 6.500+TVA=7.735 RON, Responsabil temă: Ciprian Nemeş 20. Verificarea SUUCE pentru optimizarea exploatării şi dezvoltării instalaţiilor la SH Rm. Vâlcea, Contract nr. 894P/2001-2002 Beneficiar: SH Râmnicu Vâlcea. Valoare 9.146+TVA=10.884 RON, Membru: Ciprian Nemeş 21. Criterii, metode şi instrumente de decizie în dezvoltarea şi exploatarea reţelelor de transport în condiţiile create de reforma sectorului energetic, Contract nr. 1135P/2001, Beneficiar: C.N. Transelectrica S.A. Sucursala de Transport Bacău. Valoare 4.000+TVA=4.760 RON, Membru: Ciprian Nemeş 22. Optimizarea structurii reţelelor de MT ale SDEE Bacău pe baza analizei combinate CPT- fiabilitate, Contract nr. 1262/1999 Beneficiar: CONEL Bacău. Valoare 2.500 RON, Membru: Ciprian Nemeş 23. Principii tehnice şi economice moderne în exploatarea sistemelor de alimentare cu energie electrică, Contract nr. 1263/1999 Beneficiar: CONEL Bacău. Valoare 2.500 RON, Membru: Ciprian Nemeş 24. Evaluarea instrumentelor necesare pentru licitarea energiei electrice pe intervale, Contract nr. 412P/1999, Beneficiar: CONEL Bacău. Valoare 4.500 RON, Membru:Ciprian Nemeş 25. Analiza pierderilor este energie electrică în reţeaua de distribuţie a SDEE Târgovişte, Contract nr. 16709/1998, Beneficiar: SC Electrica SA. Valoare 6.000 RON, Membru: Ciprian Nemeş

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Olariu Marius Andrei **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. (REVISTA1) M. Olariu, A. Arcire, Methane and hydrogen gas sensing properties of fullerenes C60 for breath analyzing purpose, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Volumul 64 (68), Numărul 3, pp. 107-119, 2018, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ 2. Olariu Marius, Arcire Alexandru, Improving Electromanipulation Capacity of Dielectrophoretic Arrays Based on Variation of Interdigitated Microelectrode's Geometry, DOI: 10.1109/ICEPE.2016.7781298, Electronic ISBN: 978-1-5090-6129-7, pg. 37-41, 9th International Conference and Exposition on Electrical and Power Engineering, EPE 2016 INSPEC Accession Number: 16525883

	3. Baluta, G., Olariu M., Numerical simulation of BLDC electrical drive systems closed- loop control and sensorless control, 2014, EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, Article number 6970047, Pages 927-932, ISBN:978-1-4799-5849-8 Accession Number: WOS:000353565300173 4. (REVISTA2) Cetiner, S.; Olariu, M.; Kaya, N. U.; Aradoaei S, THERMALLY STIMULATED DISCHARGE CURRENTS OF POLY(ACRYLONITRILE-CO-ACRYLIC ACID)-POLYPYRROLE COMPOSITES, March 2013, Key Engineering Materials 543:154-158, DOI: 10.4028/www.scientific.net/KEM.543.154 Accession Number: WOS:000319023100038 5. Scarlatache, V.-A., Olariu, M., Ursache, S., Ciobanu, R.C., Pasquale, M.b Magnetic and dielectric losses of a nanocomposites polymer matrix reinforced with ferromagnetic powders, 2012, Article number 6463940, Pages 125-128, 2012, ISBN:978-1-4673-1172-4; 978-1-4673- 1173-1, 7th International Conference and Exposition on Electrical and Power Engineering, EPE 2012 Accession Number: WOS:000324685300026 6. (REVISTA3) Caprile. A, Coisson A, Fiorillo, Kabos P, Manu OM, Olivetti A, Olariu MA, Pasquale M, Scarlatache VA, Microwave Behavior of Polymer Bonded Iron Oxide Nanoparticles, IEEE TRANSACTIONS ON MAGNETICS Volume: 48 Issue: 11 Pages: 3394-3397 DOI: 10.1109/TMAG.2012.2200462 Published: NOV 2012, IF=1,467 Accession Number: WOS:000310194400169 7. Olariu, M., Scarlatache, V.-A., Niagu, A., Ursache, S., Ciobanu, R.C., The influence of frequency and temperature upon dielectric behavior of polypropylene reinforced with multi- walled carbon nanotubes (MWCNTs), Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM, 6231902, pp. 287-292, ISSN: 1842-0133 Accession Number: WOS:000398866700043 8. (REVISTA4) Aradoaei, S.T., Darie, R.N., Vasile, C., Mosneagu, M., Olariu, M.A., Morphology and dielectric properties of some LDPE/PA blends in presence of compatibilizers, 2012 Source of the DocumentSolid State Phenomena 188, pp. 268-274, ISSN: 1012-0394, DOI: 10.4028/www.scientific.net/SSP.188.268 Accession Number: WOS:000308047400045 9. (REVISTA5) S. Ursache, R. C. Ciobanu, M. Olariu, and A. Neamtu, Dielectric Properties and Electromagnetic Behaviour of Pan/Nmpy Conductive Composites, International Journal of Information and Electronics Engineering, Vol. 3, No. 4, July 2013, DOI: 10.7763/IJIEE.2013.V3.350 Revista indexata INSPECT 10. (REVISTA6) Kim, Ik Jin; Zhao, Wei; Chung, Jeong Ho; Olariu Marius; Trandabat, Alexandru F.; Ciobanu, Romeo-Cristian, Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass. JOURNAL OF CERAMIC PROCESSING RESEARCH, 11 (3), pp. 303-307, 2010. . IF=0,327 Accession Number: WOS:000280125600004 11. Ciobanu, R., Schreiner, C., Olariu, M., Evaluation via PEA measurements of paper-oil insulation submitted to gamma radiation, Proceedings of 2008 International Conference on Condition Monitoring and Diagnosis, CMD 2008, Article number 4580500, Pages 1187-1190, ISBN:978-1-4244-1621-9 Accession Number: WOS:000257946000122 12. Damian, R. , Ciobanu, R., Brînzilă, M., Olariu, M., Stability considerations and efficient computing in chiral materials electromagnetic simulations, 15th IMEKO Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing; Iasi; Romania; 19 September 2007 through 21 September 2007; Code 100763 Articol indexat SCOPUS 13. Pislaru, M. , Trandabat, A., Olariu, M., Neuro fuzzy system for industrial processes fault diagnosis, 15th IMEKO Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing; Iasi; Romania; 19 September 2007 through 21 September 2007; Code 100763 Articol indexat SCOPUS

	14. Olariu, M ; Aradoaei, S; Ursache, S; Hanganu, Space charge evolution in nano-materials determined via dielectric spectroscopy, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I: ELECTROTECHNICS, Pages: 93-98, Published: 2006, ISBN:978-973-635-703-9 Accession Number: WOS:000256417000019 15. Olariu, M, Ursache, S; Aradoaei, S; Socotar, Quality of power capacitors dielectric via space charge measurements, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I: ELECTROTECHNICS, Pages: 153-158, Published: 2006, ISBN:978-973-635-703-9 Accession Number: WOS:000256417000029 16. Varga, C ; Olariu, M; Trandabat, A; Socotar, D , Modelling the device reliability by use of negative bias temperature instability - NTBI: Principle and brief application, Management of Technological Changes, Book 1, 117-120, Published: 2005, ISBN:978-960-8475-04-5 Accession Number: WOS:000249920000020 17. Aradoaei, S.; Hanganu, S.; Donciu, C.; Olariu, M, Socotar, D, Prototype architecture of a remote teaching laboratory, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19- 20, 2005, Management of Technological Changes, Book 1 Pages: 179-182 Published: 2005, ISBN:978-960-8475-04-5 Accession Number: WOS:000249920000031 18. Olariu, M.; Constantinescu, G.; Prisecaru, I.; Aradoaei, S., Advanced composites from recycled polyethylene: Technology optimization via thermal step method, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 1 Pages: 287-290 Published: 2005, ISBN:978-960-8475-04-5 Accession Number: WOS:000249920000051 19. Olariu, M.; Aradoaei, S.; Prisecaru, I.; Ciobanu, R, Space charge study via thermal step method and applications in new materials quality, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005 , , Management of Technological Changes, Book 1 Pages: 291-296 Published: 2005, ISBN:978-960-8475-04-5 Accession Number: WOS:000249920000052 20. Pislaru, M.; Schreiner, C.; Trandabat, A.; Olariu, M, Neuro-fuzzy system for monitoring and control in industrial processes, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19- 20, 2005, Management of Technological Changes, Book 2 Pages: 91-94 Published: 2005, ISBN:978-960-8475-05-2 Accession Number: WOS:000249920900016 21. Temneanu, C.; Temneanu, M.; Olariu, M.; Socotar, D., Modeling the hysteretic behavior using fuzzy sets, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005 , MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 2 Pages: 111-114 Published: 2005, ISBN:978-960-8475-05-2 Accession Number: WOS:000249920900020 22. Varga, C.; Socotar, D.; Hanganu, S.; Olariu, M., Trandabat, A., Advanced reliability studies in microelectronics: Upon p-MOSFET structures technological reliability, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 2 Pages: 183-186 Published: 2005, ISBN:978-960-8475-05-2 Accession Number: WOS:000249920900033 23. Aradoaei, S.; Olariu, M.; Ciobanu, R.; Constantinescu, G, Sustainable development in materials recycling by advanced pe/pet-wood sawdust compounds, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005 , Management of Technological Changes, Book 2 Pages: 293-296 Published: 2005, ISBN:978-960-8475-05-2 Accession Number: WOS:000249920900053

	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Mirela Airimioaei, Vlad A.Lukacs, Isabelle Lisiecki, Patricia Beaunier, Juliette Blanchard, Doina Lutic, Sorin Tascue, Petronel Postolache, Cristina E.Ciomaga, Marius Olariu, Liliana Mitoseriu, Biomorphic tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Journal of Alloys and Compounds, https://doi.org/10.1016/j.jallcom.2019.152543, 2019 (apare în volumul 816, Martie 2020), IF=4.175 2. (Prim autor 1) Olariu, M., Arcire, A. & Plonska-Brzezinska, M.E., Controlled Trapping of Onion-Like Carbon (OLC) via Dielectrophoresis, Journal of Electronic Materials (2016). doi:10.1007/s11664-016-4870-1, IF=1,579 Accession Number: WOS:000391126900055 3. (Prim autor 2) Olariu, M. A.; Hamciuc, C.; Neacsu, O. M.; et al., MICROWAVE DIELECTRIC PROPERTIES OF POLYIMIDE COMPOSITES BASED ON TiO2 NANOTUBES AND CARBON NANOTUBES, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 14 Issue: 1 Pages: 37-44, IF=0,673 Accession Number: WOS:000463356800006 4. (Prim autor 3) Olariu, M.; Arcire, A., Electrostimulated Desorption Hydrogen Sensor Based on Onion-Like Carbons as a Sensing Element, Journal of Electronic Materials, Volume: 47, Issue: 11, Pages: 6476-6483, NOV 2018, IF=1,579 Accession Number: WOS:000445474800017 5. (Prim autor 4) M. A. Olariu, Corneliu Hamciuc, Lidia Okrasa, Elena Hamciuc, Lubomir Dimitrov, Yuri Kalvachev, Electrical properties of polyimide composite films containing TiO2 nanotubes, 2015, DOI: 10.1002/pc.23851, IF=2,004 Accession Number: WOS:000415812000027 6. (Prim autor 5) Olariu, M.A., Ciobanu, R.C., Ursache, S., Aradoaei, S., Experimental regarding the evolution of space charge in polyolefins insulation, Annual Report - Conference on Electrical Insulation and Dielectric Phenomena, CEIDP, 14 October 2007 through 19 October 2007; DOI: 10.1109/CEIDP.2007.4451585, Category number07CH37929; Code 73236, IF=0 Accession Number: WOS:000254276700103 7. Elena Hamciuc, Mircea Ignat, Corneliu Hamciuc, Iuliana Stoica, Lubomir Dimitrov, Yuri Kalvachev, Marius Olariu, Electromechanical properties of polyimide composites containing titanium dioxide nanotubes, 2015/8/1, Journal High Performance Polymers, Volume 27, Issue 5, Pages 590-598., DOI: 10.1177/0954008315584185, IF=1,090 Accession Number: WOS:000357694400010 8. SUAT CETINER, SEYMA SIRIN, MARIUS OLARIU and A. SEZAI SARAC, Frequency and Temperature Dependence of Dielectric Behaviors for Conductive Acrylic Composites, Advances in Polymer Technology, Vol. 35, No. 1, 2016, DOI 10.1002/adv.21523, IF=2,073 Accession Number: WOS:000370077600003 9. Corneliu Sergiu Stan, Marcel Popa, Marius Olariu, Marius Sebastian Secula, Synthesis and Characterization of PSSA-Polyaniline Composite with an Enhanced Processability in Thin Films Open Chemistry. Volume 13, Issue 1, ISSN (Online) 2391-5420, DOI: 10.1515/chem-2015- 0057, December 2014, IF=1,425 Accession Number: WOS:000355403100055 10. Cetiner, S ; Olariu, M ; Sarac, AS, FABRICATION OF POLY(ACRYLONITRILE-CO-VINYL ACETATE)-POLY(N-METHYL PYRROLE) COMPOSITE NANOFIBERS, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 8 Issue: 2 Pages: 677-683, Published: APR- JUN 2013, IF= 0.673 Accession Number: WOS:000322737500020 11. Suat Cetiner, Marius Olariu, Romeo Ciobanu, Hale Karakas, Fatma Kalaoglu and A. Sezai Sarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, FIBERS AND POLYMERS, Volume: 11, Issue: 6, Pages: 843-850, Published: SEP 2010, ISSN: 1229-9197, DOI: 10.1007/s12221-010-0843-9,

	IF=1,022 Accession Number: WOS:000282512800006 12. Suat Cetiner, Hale Karakas, Romeo Ciobanu, Marius Olariu, N. Ugur Kaya, Cem Unsal, Fatma Kalaoglu, A. Sezai Sarac,, Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR-ATR and dielectric spectroscopic characterization of composite thin films, Source: SYNTHETIC METALS, Volume: 160, Issue: 11-12, Pages: 1189-1196, Published: JUN 2010, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2010.03.007, IF=2,526 Accession Number: WOS:000279625900011 13. Aradoaei S, Darie R, Constantinescu G, Olariu M, Ciobanu R., Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, , JOURNAL OF NON-CRYSTALLINE SOLIDS, Volume: 356 Issue: 11-17 Pages: 768-771 Published: APR 1 2010, ISSN: 0022-3093, DOI: 10.1016/j.jnoncrysol.2009.11.046, IF=2,488 Accession Number: WOS:000276665500050 14. Hamciuc, E. Hamciuc, M. Olariu, R. Ciobanu, Thermal and electrical behaviour of some hybrid polyimide films containing barium and titanium oxides, POLYMER INTERNATIONAL, Volume: 59, Issue: 5, Pages: 668-675, Published: MAY 2010, ISSN: 0959-8103, DOI: 10.1002/pi.2747, IF=2,352 Accession Number: WOS:000277767500015 15. Hamciuc E, Hamciuc C, Olariu M, Thermal and Electrical Behavior of Polyimide/Silica Hybrid Thin Films, POLYMER ENGINEERING AND SCIENCE, Volume: 50, Issue: 3, Pages: 520-529, Published: MAR 2010, ISSN: 0032-3888, DOI: 10.1002/pen.21562 IF=1,551 Accession Number: WOS:000275008700011 16. C. Hamciuc, E. Hamciuc, I. Bacosca, M. Olariu, Thermal and electrical properties of some poly(ether-imide) thin films, Materiale Plastice, 47, 11-15, 2010, ISSN: 0025-5289, IF=1,278 Accession Number: WOS:000276587100003 17. Hamciuc C, Hamciuc E, Vlad S, Olariu M, Fluorinated Block Copolymers Containing Imide and 1,3,4-oxadiazole Rings, MATERIALE PLASTICE, Volume: 45, Issue: 4 Pages: 356-361, Published: DEC 2008, ISSN: 0025-5289, IF=1,278 Accession Number: WOS:000262600800010 18. Dielectrophoretic manipulation of cancer cells and their electrical characterization, I Turcan, MA Olariu, ACS Combinatorial Science 22 (11), 2020,554-578, IF=3,381 19. Effect of selective distribution of MWCNTs on the solid-state rheological and dielectric properties of blends of PMMA and LDPE, C Roman, M García-Morales, MA Olariu, T McNally, Journal of Materials Science 55 (20), 2020, 8526-8540, IF=3,442 20. Preliminary Insights into Electro-Sensitive Ecolubricants: A Comparative Analysis Based on Nanocelluloses and Nanosilicates in Castor Oil, M García-Morales, SD Fernández-Silva, C Roman, MA Olariu, MT Cidade, Miguel A Delgado, Processes 8 (9), 1060, 2020, IF=2,753 21. Turcan, I.; Caras, I.; Schreiner, T.G.; Tucureanu, C.; Salageanu, A.; Vasile, V.; Avram, M.; Tincu, B.; Olariu, M.A. Dielectrophoretic and Electrical Impedance Differentiation of Cancerous Cells Based on Biophysical Phenotype. Biosensors 2021, 11, 401. 2021, https://doi.org/10.3390/bios11100401, IF=5.519 22. Marius Andrei Olariu, Corneliu Hamciuc, Mihai Asandulesa, Elena Hamciuc, Elena- Luiza Epure, Violeta Tsakiris, Gabriela Lisa, Study on highly thermostable low-k polymer films based on fluorene-containing polyetherimides, POLYMER ENGINEERING AND SCIENCE, Volume61, Issue10, Page2639-2652, 2021, DOI10.1002/pen.25792, IF=2.428 23. Hamciuc, C.; Asandulesa, M.; Hamciuc, E.; Roman, T.; Olariu, M.A.; Pui, A. Novel Polyimide/Copper-Nickel Ferrite Composites with Tunable Magnetic and Dielectric Properties. Polymers 2021, 13, 1646. https://doi.org/10.3390/polym13101646, IF=4,329 24. Astanei, D.; Burlica, R.; Cretu, D.-E.; Olariu, M.; Stoica, I.; Beniuga, O. Treatment of Polymeric Films Used for

	Printed Electronic Circuits Using Ambient Air DBD Non- Thermal Plasma. Materials 2022, 15, 1919. https://doi.org/10.3390/ma15051919 (IF=3.748) 25. Schreiner, T.G.; Turcan, I.; Olariu, M.A.; Ciobanu, R.C.; Adam, M. Liquid Biopsy and Dielectrophoretic Analysis—Complementary Methods in Skin Cancer Monitoring. Appl. Sci. 2022, 12, 3366. https://doi.org/10.3390/app12073366 (IF=2.838) 26. Ioana Radu, Ina Turcan, Alexandru V. Lukacs, Tiberiu Roman, Georgiana-Andreea Bulai, Marius Andrei Olariu, Ioan Dumitru, Aurel Pui, Structural, dielectric and gas sensing properties of gadolinium (Gd3+) substituted zinc-manganese nanoferrites, Polyhedron, Volume 221, 2022, 115893, ISSN 0277-5387, https://doi.org/10.1016/j.poly.2022.115893 (IF=2.975) 27. Olariu, M.A.; Tucureanu, C.; Filip, T.A.; Caras, I.; Salageanu, A.; Vasile, V.; Avram, M.; Tincu, B.; Turcan, I. HT-29 Colon Cancer Cell Electromanipulation and Assessment Based on Their Electrical Properties. Micromachines 2022, 13, 1833. https://doi.org/10.3390/mi13111833 (IF=3.523) 28. Flame-Resistant Poly (vinyl alcohol) Composites with Improved Ionic Conductivity, D Serbezeanu, C Hamciuc, T Vlad-Bubulac, AM Ipate, G Lisa, I Turcan, ..., Membranes 13 (7), 636 29. Improving Printability of Polytetrafluoroethylene (PTFE) with the Help of Plasma Pre-Treatment, MA Olariu, R Herrero, DG Astanei, L Jofré, J Morentin, TA Filip, R Burlica, Polymers 15 (16), 3348 (IF=5.0) 30. Screen-printed interdigitated microelectrodes employment in dielectrophoretic manipulation of MWCNTs, MA Olariu, TA Filip, CA Peptu, I Turcan, Microchimica Acta 190 (11), 453 (IF=5.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures / CarPolSense, PNII Capacitati M3, 567/2012, 2012-2013, Buget TUIASI – 26578lei 2. Explorarea proprietăților electrice și magnetice ale unei noi clase exotice de materie cuantică: izolatorii topologici (QuanTop), Bilateral Romania-China, 45BM/2016, 2016-2017 (15 luni) – Buget TUIASI – 17401 lei 3. Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabilă sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale (cod COFUND-MANUNET III-AniConFilm-1), ctr. 18/2018, 2018-2020 Buget TUIASI - 551100 lei 4. DEZVOLTAREA PORTOFOLIULUI DE PRODUSE INOVATIVE AL SC CAOM SA PRIN TRANSFERUL TEHNOLOGIC AL UNEI MARCI TENSOMETRICE CU SENSIBILITATE RIDICATĂ, PNIII-P2-2.1-PTE, ctr. 39PTE/2016, 2016-2018, buget TUIASI - 578583 lei 5. Proiecte de mobilitate pentru tineri cercetatori din diaspora, PN-III-P1-1.1-MCT-2016-0010, PN III RU MCT 4/2016, 112 zile(3 luni) – Buget TUIASI: 11120 lei 6. Retea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe baza de OLC-uri (onion-like carbon) manipulate cu ajutorul dielectroforezei, H2Sense, PNII PCCA2013, ctr. 43/2014, 07.2014-09.2017 – buget TUIASI 685792 lei 7. CERCETARII ASUPRA ASIGURARII CALITATII BIO- SI NANO-MATERIALELOR CU AJUTORUL ANALIZEI

	SARCINII ELECTRICE SPATIALE – 2007-2008, ctr. 33GR/2007, CNCSIS 50, Tema 38, respective tema 38 – Buget TUIASI – 100000lei 8. Platforma microfluidică pentru detecția celulelor tumorale circulante (CTC) concentrate prin dielectroforeză-magnetoforeză și analizate prin spectroscopie dielectrică și de impedanță electrochimică-uCellDetect, PN III – P2-1.2-PCCDI-3PCCDI/2018, (2018-2020), Buget TUIASI - 1586250 lei 9. Chemirezistor serigrafiat pe bază de MXenes electromanipulate cu ajutorul dielectroforezei pentru detecția compușilor organici volatili (COV), TE2021, 2022 2024, PN-III-P1-1.1- TE-2021-0751

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Poboroniuc Marian-Silviu **Prof. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Poboroniuc MS., Irimia DC., Popescu G. (2021) Rehabilitation Aims and Assessed Brain Activity by Means of Brain-Computer Interfaces in People in a Vegetative State - Preliminary Results. In: Kurosu M. (eds) Human-Computer Interaction. Theory, Methods and Tools. HCII 2021. Lecture Notes in Computer Science, vol 12762. Springer, Cham. https://doi.org/10.1007/978-3-030-78462-1_44. 11pp
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Adrian Sorin Mihalache, Alexandru Paslaru, Poboroniuc Marian-Silviu, Dănuț-Constantin Irimia, Iulian Stoleriu, Leon Zăgrean. "Possible electrophysiological changes induced by the practice of prayer in Orthodox Christian tradition" Fiziologia (Physiology), 2024.1.(106), pp.27- 50. ISSN 1223-2076 Printed version, e-ISSN 2247-2061, ISSN-L 1223-2076 (Open Access, Indexed EBSCO; CNCSIS - B+ category - code 240, 2024. 2. Ionaşcu Radu and Poboroniuc Marian-Silviu. "The Software Interface of a Hybrid FES and Mechatronic Exoskeleton System for Hand Rehabilitation in Stroke People" Bulletin of the Polytechnic Institute of Iaşi. Electrical Engineering, Power Engineering, Electronics Section, vol.68 (3), September 2022, pp.75-87. https://doi.org/10.2478/bipie-2022-0018., eISSN: 2537-2726, November 16th, 2023 (Open Access, Indexed Sciendo/De Gruyer Poland),2022. 3. Irimia DC, Ortner R, Poboroniuc MS, Ignat BE and Guger C (2018), High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation Training. Front. Robot. AI 5:130. doi: 10.3389/frobt.2018.00130, Indexed Scopus. 4. Poboroniuc M. S., Naaji, A., Ligusova, J., Grout, I., Popescu, D., Ward, T., Grindei, L., Ruseva, Y., Bencheva, N. & Jackson, N. (2017). ICT security curriculum or how to respond to current global challenges. World Journal on Educational Technology: Current Issues. Vol.9(1), 39-48, 2017, DOI: https://doi.org/10.18844/wjet.v9i1.916., indexed EBSCO. 5. Curteza A., Cretu V., Macovei L., Poboroniuc M. S., 2014, Designing functional clothes for persons with locomotor disabilities, AUTEX Research Journal, DOI: 10.2478/aut-2014- 0028©AUTEX, ISSN 2300-0929 (On-line), http://www.autexrj.com, (Thompson Reuters impact factor 0.542 for 2014), Volume 14, Issue 4, pp.281-289. 6. A.G. Baciu, G. Livint, D.C. Irimia and M. Poboroniuc, Battery/Supercapacitor Hybridization – Solution to Improve Efficiency of a Vehicular System (English, Romanian summary), Bul. Inst. Polit. Iaşi, Vol. 64 (68), Nr. 3, 2018, Indexed Index Copernicus, Ulricsh's, CNKI Scholar. 7. D.C. Irimia, A.G. Baciu, D.A. Sticea and M.S. Poboroniuc, New FES-Robotic Glove Hybrid System for Hand Motor

Functions Rehabilitation (English, Romanian summary), Bul. Inst. Polit. Iaşi, Vol. 64 (68), Nr. 3, 2018, Indexed Index Copernicus, Ulricsh's, CNKI Scholar

8. Poboroniuc M., 2009, An overview on neuroprosthesis control and test, Bulletin of the Polytechnic Institute of Iasi, Tomul LV (LIX), Fasc. 1, 2009, Sectia: Electrotehnică, Energetică, Electronică (Section: Electrical Engineering, Power Engineering and Electronics), pp.69-81 (Copernicus, getCITED).

9. Poboroniuc M., Petrescu M., Stefan M-C, Livint G., 2009, Different robotic structures aiming to help in testing neuroprosthesis control strategies, RAAD2009 Program and Book of Abstracts, PRINTECH Publishing House, ISBN 978-606-521-315-9, pp. 99, Proc. of the 18th Int. Workshop on Robotics in Alpe-Adria-Danube Region, CD - ISSN 2066-4745, pp.1-6 and VENTIL Journal (Revija za FLUIDNO TEHNIKO, AVTOMATIZACIJO IN MEHATRONIKO), edited by University of Ljubljana, Ventil 15/ 2009/6, pp.510-515, ISSN 1318-7279 (INSPEC database).

10. Poboroniuc M., Popescu C.D., Livint G., Lucache D., Petrescu M., 2004, New developments in assisting the physically impaired persons for training and assessment by means of FES, 3rd International Conference on Electrical and Power Engineering EPE'2004, Bulletin of the Polytechnic Institute of Iasi, tom L (LIV), Fasc.5A, pp.116-119, October 7-8, 2004, Iasi, Romania, ISSN 1223-8139 (Copernicus, getCITED).

11. Livint G., Petrescu M., Poboroniuc M., 2004, A fuzzy model of vehicles tire, 3rd International Conference on Electrical and Power Engineering EPE'2004, Bulletin of the Polytechnic Institute of Iasi, tom L (LIV), Fasc.5A, pp.69-74, October 7-8, 2004, Iasi, Romania, ISSN 1223-8139 (Copernicus, getCITED).

12. Petrescu M., Livint G., Poboroniuc M., 2004, Vehicles stability study, 3rd International Conference on Electrical and Power Engineering EPE'2004, Bulletin of the Polytechnic Institute of Iasi, tom L (LIV), Fasc.5A, pp.110-115, October 7-8, 2004, Iasi, Romania, ISSN 1223-8139 (Copernicus, getCITED).

13. Paicu G., Poboroniuc M., 2004, Plane gap multipolar asynchronous generators for wind power station – a romanian perspective in utilization, 3rd International Conference on Electrical and Power Engineering EPE'2004, Bulletin of the Polytechnic Institute of Iasi, tom L (LIV), Fasc.5C, pp. 1319-1322, October 7-8, 2004, Iasi, Romania, ISSN 1223-8139 (Copernicus, getCITED).

14. Popescu C.D., Poboroniuc M., Joacabine C., Ignat B., Use of Functional Electrical Stimulation in Gait Rehabilitation, "Rehabilitation Hospital of Iasi Days" 2nd Conference, Iasi, Romania, Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti Iasi (The Medical-Surgical Journal- The Society of Physicians and Naturalists of Iasi), vol. 108, no.1, supliment 1, 2004, Iasi, Romania, ISSN: 0048-7848.

15. M. Poboroniuc, P. Taylor, D. Wood, Stimularea Electrica Functionala - recuperarea pacientilor hemiplegici si paraplegici, Revista de Aparatura medicala "MEDICA", anul V, Nr.2 -Feb. 2003, pp.20-23, 2003, Editura MEDRO;

16. Popescu C.D., Poboroniuc M., 2003, Terapii recuperatorii bazate pe stimulare electrica functionala utilizate in tratamentul pacientilor cu leziuni la nivelul sistemului nervos central, Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti Iasi (The Medical-Surgical Journal- The Society of Physicians and Naturalists of Iasi), vol. 107, no.4, supliment 1, 2003, pp.27-31, Iasi, Romania, ISSN: 0048-7848.

17. Popescu C.D., Poboroniuc M., Joacabine C., 2003, Stimularea Electrica Functionala in recuperarea mersului bolnavilor cu accident vascular cerebral (FES-based walking recuperation of CVA patients), A VI-a Conferinta Nationala de Stroke (AVC) cu Participare Internationala, 2-3 Octombrie 2003, Revista Romana de Stroke (AVC)- Romanian Stroke Journal, vol. VI, Nr.1, 215-216, Editura Universitara "Carol Davila" Bucuresti.

18. M. Poboroniuc, D. Popescu, L. Nita, Modeling and control of a mobile manipulator, 10th National Conference on

	Electric Drives CNAE'2000, Bulletin of the Polytechnic Institute of Iassy, tom XLVI (L), Fasc.5, 2000, 218-223, October 12-14, 2000, Iasi, Romania. 19. M. Poboroniuc, G. Livint, Smooth feedback control for path tracking on a three wheels mobile robot, Buletinul stiintific al Universitatii Politehnice din Timisoara, vol.45(59), No.1, 87-92, Fourth International Conference on Technical Informatics CONTI'2000, October 12-13, 2000, Timisoara, Romania. 20. G. Paicu, M. Poboroniuc, Mechanical and core losses determination method for small-power multipolar induction machines with cylindrical or plate rotor, 10th National conference on Electric Drives CNAE2000, Buletinul Institutului Politehnic Iasi, tom XLVI (L), Fasc.5, 2000, 347-350, October 12-14, 2000, Iasi, Romania. 21. M. Poboroniuc, A. El Hajjaji, A. Rachid, Path tracking fuzzy controller for mobile robots, Buletinul Institutului Politehnic Iasi, tom XLV (IL), Fasc.5A, 144-147, 1999, ISSN 0258-9109, Iasi, Romania. 22. M. Poboroniuc, L. Caramelle, Gh. Livint, M. Zasadzinski, H-infinity controller reduction technique applied to an asynchronous motor on vehicle and mobile robots, Buletinul Institutului Politehnic Iasi, tom XLV (IL), Fasc.5A, 148-151, 1999, ISSN 0258-9109, Iasi, Romania. 23. Gh. Livint, P. Livinti, M. Poboroniuc, Controllers frequency methods synthesis in electrical drives systems, Buletinul Institutului Politehnic Iasi, tom XLV (IL), Fasc.5A, 102-105, 1999, Edited by Technical University "Gh. Asachi", ISSN 0258-9109, Iasi, Romania. 24. Gh. Livint, D, Cãlãrasu, M. Poboroniuc, C.Chiritã, Theoretic and experimental research on an electrohydraulic positioning system, Buletinul Institutului Politehnic Iasi, tom XLV (IL), Fasc.5A, 106-109, 1999, Edited by Technical University "Gh. Asachi", ISSN 0258-9109, Iasi, Romania. 25. M. Poboroniuc, Kinematics of a parallel robot, Bulletin of the XV-th Conference of Teachers Scientific Research, I-B, 1997, 207-212, Academia Navala "Mircea cel Bãtrân", Constanta, România.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Ivanescu M., Popescu N., Popescu D., Channa A., Poboroniuc M., 2019, Exoskeleton Hand Control by Fractional Order Models, MDPI (www.mdpi.com/journal/sensors), Sensors 2019, 19, 4608; doi:10.3390/s19214608 (Impact Factor: 3.031 (2018)), pp.1-18, 2019. 2. Robert Gabriel Lupu, Danut Constantin Irimia, Florina Ungureanu, Marian Silviu Poboroniuc, and Alin Moldoveanu, "BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities," Wireless Communications and Mobile Computing, vol. 2018, Article ID 4798359, 8 pages, 2018. https://doi.org/10.1155/2018/4798359, Factor Impact 0.869. [(30+40*0.869)/5=12.95 3. Grigoras V.-A., Irimia D.C., Poboroniuc M. S., Popescu C.D., 2016, Testing of a Hybrid FES- Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors, Advances in Electrical and Computer Engineering (http://www.aece.ro/), Vol.16, Issue No.4, 30.11.2016, pp. 89-94, ISSN: 1582-7445, e-ISSN: 1844-7600, Digital Object Identifier: 10.4316/AECE.2016.04014, Edited by Stefan cel Mare University of Suceava, Romania, article - indexed WOS ISI (JCR Impact Factor 2016: 0.459, JCR 5-Year IF: 0.442). 4. Curteza A., Cretu V., Macovei L., Poboroniuc M. S., 2016, The Manufacturing of Textile Products with Incorporated Electrodes, AUTEX Research Journal, DOI: 10.1515/aut-2015-0049, AUTEX, ISSN 2300-0929 (On-line), http://www.autexrj.com, (IF= 0.460), Volume 16, Issue 1, pp.13-18. 5. Poboroniuc M., Wood D.E., Riener R., Donaldson N.N., 2010, A New Controller for FES- Assisted Sitting Down in Paraplegia, Advances in Electrical and Computer Engineering (http://www.aece.ro/), Vol.10, No.4, November 2010, pp. 9-16,

ISSN: 1582-7445, e-ISSN: 1844- 7600, Digital Object Identifier: 10.4316/AECE.2010.04002, Edited by Stefan cel Mare University of Suceava, Romania, indexat ISI (ISI impact factor for 2010: 0.688).

6. Popescu D., Popescu N., Poboroniuc M., 2010, The FPGA implementation of a neurostimulator, Studies in Informatics and Control Journal (Useful Applications and Advanced Technology), Vol.19, Issue 1, March 2010, pp.85-92, ISSN 1220-1766, Edited by National Institute for R&D in Informatics ICI Bucharest, indexat ISI (ISI impact factor pentru 2010: 0.671).

Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)

1. Mitocaru Alexandru, Buzamat Alexandru, Poboroniuc Marian-Silviu, Irimia Danut Constantin, Baciu Alina Georgiana, " Brain Computer Interface Controlled Humanoid Robot," 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, 2024, pp. 1-4, doi:10.1109/EHB64556.2024.10805718 , (indexed IEEExplore, Electronic ISSN: 2575-5145; ISSN: 2575-5137).
2. Alina -Roxana. Miron, Marian -S. Poboroniuc and Iulia -A. Bonceag, "Preliminary Results on Designing Mechatronic Devices for Pelvic Muscles Floor Assessment," 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, 2024, pp. 1-5, doi: 10.1109/EHB64556.2024.10805730, (indexed IEEExplore, Electronic ISSN: 2575-5145; ISSN: 2575-5137).
3. E. -A. Piseru, T. Piseru A., Alina Roxana Miron, M. -S. Poboroniuc, "Fostering Upper Limb Recovery through Interdisciplinary Collaboration: A Review of Robotic Devices, Functional Electrical Stimulation, and Mirror Therapy," 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEi 2024), Iaşi, Romania, 2024, pp. 378-385, (indexed IEEExplore, Electronic ISBN:979-8-3503-5619-9; USB ISBN:979-8-3503-5618-2; ISBN:979-8- 3503-5620-5).
4. C.-I. Panaintescu (master student), M. -S. Poboroniuc, S.-A. Ionescu, "Contributions to a Nonverbal Communication System for Human-Machine Interaction," 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEi 2024), Iaşi, Romania, 2024, pp. 170-175, (indexed IEEExplore, https://doi.org/10.1109/EPEi63510.2024.10758077 ; Electronic ISBN:979-8-3503-5619-9; USB ISBN:979-8-3503-5618-2; ISBN:979-8-3503-5620-5).
5. T. G. Coşarcă, E.-E. Bereandă (master students), M. -S. Poboroniuc, "A Newly Designed Drone Tested In A Laboratory Environment," 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEi 2024), Iaşi, Romania, 2024, pp. 61-66, (indexed IEEExplore, https://doi.org/10.1109/EPEi63510.2024.10758128 ; Electronic ISBN:979-8-3503- 5619-9; USB ISBN:979-8-3503-5618-2; ISBN:979-8-3503-5620-5).
6. T. Piseru, E. -A. Piseru, A. -I. Roman, R. Ionascu, M. -S. Poboroniuc and A. -R. Miron, "Revolutionizing Upper Limb Motor Control Restoration: A Novel EMG-Based Feedback System for Individuals with Neurological Diseases," 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 160-167, doi: 10.1109/DAS61944.2024.10541156, (indexed IEEExplore).
7. T. Piseru, E. -A. Piseru, A. -I. Roman, R. Ionascu, M. -S. Poboroniuc and A. -R. Miron, "Advancing Towards Clinical Validation of an Innovative System for Restoring Upper Limb Control in Individuals with Neurological Disorders," 2024 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2024, pp. 168-175, doi: 10.1109/DAS61944.2024.10541162, (indexed IEEExplore).
8. Poboroniuc M. -S., A. Roman,. R. Ionascu, T. Piseru, A. Piseru, DC Irimia, A. Mitocaru, S-A. Ionescu, "HYBRID FES&MECHATRONIC DEVICES AIMING TO ASSESS AND SUPPORT REHABILITATION IN STROKE PEOPLE" (2023), THE XXVII INTERNATIONAL CONFERENCE "INVENTICA 2023. Science of creativity", Iasi, Romania, June

22nd 2023, pp. 102- 107, https://doi.org/10.2478/9788367405201-009, (ISBN: 978-83-67405-20-1). (indexed SCIENDO).
9. Ş. -A. Ionescu and M. -S. Poboroniuc, "3D Printed Upper Limb Prosthesis Controlled by the Healthy Hand," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290748. (indexed IEEExplore).
10. Poboroniuc M. -S., A. Roman,. R. Ionascu, T. Piseru, A. Piseru, DC Irimia, A. Mitocaru, S-A. Ionescu, "HYBRID FES&MECHATRONIC DEVICES AIMING TO ASSESS AND SUPPORT REHABILITATION IN STROKE PEOPLE" (2023), THE XXVII INTERNATIONAL CONFERENCE "INVENTICA 2023. Science of creativity", Iasi, Romania, June 22nd 2023, pp. 102-107, https://doi.org/10.2478/9788367405201-009, (ISBN: 978-83-67405-20-1). (indexed SCIENDO).
11. A. Mitocaru, M.S. Poboroniuc, D. C. Irimia, S. Placinta and A. Baciu, "Brain-Computer Interface Based Control for a Humanoid Robot," 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2022, pp. 714-718, doi: 10.1109/EPE56121.2022.9959801. (indexed IEEExplore).
12. E. -A. Piseru, T. Piseru, M. Poboroniuc, et al., "Clinical Evaluation of a New Mechatronic Glove for Hand Rehabilitation," 2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4, doi: 10.1109/EHB55594.2022.9991540. (indexed WoS, IEEExplore).
13. A. -I. Roman, M.S. Poboroniuc, D. -C. Irimia, T. Piseru and E. -A. Piseru, "Clinical Tests of a New Device Aiming to Assess and Rehabilitate the Hand in Stroke People," 2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4, doi: 10.1109/EHB55594.2022.9991559. (indexed WoS, IEEExplore).
14. R. Ionaşcu, M.S. Poboroniuc, et al., "Hybrid FES & Mechatronic Hand Control Method for Upper Limb Rehabilitation Systems," 2022 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2022, pp. 1-4, doi: 10.1109/EHB55594.2022.9991588. (indexed WoS, IEEExplore).
15. S.N. Placinta, M.S. Poboroniuc, D. C. Irimia and A. Mitocaru, "Extending the Control's Number in Motor Imagery Based Brain-Computer Interfaces Applications," 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2022, pp. 393-398, doi: 10.1109/EPE56121.2022.9959824. (indexed IEEExplore).
16. M. Poboroniuc, D. Irimia, R. Ionaşcu, A. I. Roman, A. Mitocaru, A. Baciu, "Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke", The 9th IEEE International Conference on E-Health and Bioengineering - EHB 2021, November 18-18, 2021 (in press), IEEE 978-1-6654-4000-4/21/$31.00 ©2021 IEEE, 2021, Publisher: IEEE (indexed WoS si IEEExplore)
17. Andrei-Iulian Roman, Poboroniuc M., Daniel Sticea, Danut-Constantin Irimia, Improved Software and Hardware of a Device Aiming to Assess Hand Movements During Rehabilitation in Hemiparetic People, 2020 Int. Conf. on E-Health and Bioengineering (EHB2020), 29-30 October 2020, pp.1-4, DOI: 10.1109/EHB50910.2020.9279875, 2020, Publisher: IEEE (indexed WoS si IEEExplore).
18. Tiron G.-Z., Poboroniuc M., Benchmarking General-Purpose Neural Networks for Real-Time Pedestrian Detection, 2020 International Conference and Exposition on Electrical and Power Engineering (EPE2020), 22-23 October 2020, pp.1-4, USB ISBN:978-1-7281-8125-7, ISBN:978-1- 7281-8127-1, ISSN: 2471-6855, DOI: 10.1109/EPE50722.2020.9305675, 2020 (indexed IEEExplore).
19. Irimia D-C., Alexandru Mitocaru, Alina Baciu, Poboroniuc M., Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility, 2019 E-Health and Bioengineering Conference (EHB2019), 21-23 November 2019, pp.1-6, DOI: 10.1109/EHB47216.2019.8969966, 2019
20. Tiron G.-Z., Poboroniuc M., Neural Network Based Traffic Sign Recognition for Autonomous Driving, The 12th

	International Conference on Electromechanical and Power Systems (SIELMEN2019), 9-11 October 2019, pp.367-371, 978-1-7281-4011- 7/19/$31.00 ©2019 IEEE, 2019 21. M.S. Poboroniuc, D.C. Irimia, A. Baciu, T. Bondar, I.A. Nitica, A.E. Piseru, A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia, Proc. of 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), DOI: 10.1109/ICEPE.2018.8559951, indexata IEEE, Scopus, WOS.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Poboroniuc M., Lawn mower cutter assembly for uneven ground - has parallel vertically mobile contact wheels carrying horizontal cutter discs, Brevet RO-113098/31.03.1998.P (ISI Web of Knowledge & Web of Science); Medalie de bronz 3rd International Exhibition of Invents, Research and Technological Transfer, October 9-13, 1996,Iasi, Romania. 2. Leonte P., I.C. Poboroniuc, M. Poboroniuc, A. Sărăcin, Sursa modulara de curent, Brevet RO-104051/17.07.1989. **3.** Poboroniuc S.M., Bulboaca A.C., Irimia D.C., Bulboaca A.E., Olaru R., Sistem hibrid mecatronic-neuroproteză pentru recuperarea braţului la persoanele cu handicap neuromotor (HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT), OSIM Licence patent request no.693/15.09.2014; published in RO-BOPI 3/2016 from 30.03.2016, ISSN 2065-2100, pp.14-15, Patent Number: RO130961/30.08.2021, International Patent Classification: A61F-002/54; A61F- 002/70, indexed Web of Science& THOMSON REUTERS.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. European Project “Boosting INGENIUM for Excellence (BI4E)”, HORIZON-WIDERA-2021- ACCESS-05-01-European Excellence Initiative under Grant Agreement No. 101071321 -BI4E, 2023-2026 (TUIASI Key Expert in WP6: Promoting the attractiveness of academic careers)., Buget TUIASI – ~1 mil euro/np=65. 2. 2020-WIDESPREAD-2018-2020: Development of a World-Level Neuroengineering Research Centre by European Twining, BRAINTWIN, tip: H2020-WIDESPREAD-2018-2020, nr.952378/26.06.2020, Coordinator: TUIASI project responsible: Nicolae Lucanu, Marian Poboroniuc (key expert of TUIASI BrainTwin team).447047.14 lei (90416.67 Eur/ 1EUR=4.9443)/2021, na=21; 349.602,5 lei /2022, na=20. 3. Strategic Alignment of Electrical and Information Engineering in European Higher Education Institutions (SALEIE), No. 527877-LLP-1-2012-1-UK-ERASMUS-ENW (EU Lifelong Learning project), 2012-2015, Coordonator: University of York, UK, http://www.saleie.co.uk/index.html; Responsabil proiect P12-TUIASI: Marian Poboroniuc (lider Workpackage 3), 30000 Euro (~ 133200 RON). Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie naţională sau încheiate cu institute de cercetare, companii, regii, societăţi comerciale 4. PNIII/ 25PTE/2020, Intelligent mechatronic-textile gloves for hand rehabilitation in stroke (Mănuşi mecatronice textile inteligente pentru recuperarea mâinii la persoanele cu accident vascular cerebral)- MANUTEX, Coordinator: SC MAGNUM SX SRL Bucharest, TUIASI project responsible: Marian Poboroniuc & Rehabilitation Hospital of Iasi, 01.06.2020-31.05.2022. director/responsabil grant, 231720lei/2021, 6 pers. 5. PN-III-P1-1.1-TE-2019-1753: Hybrid BCI-exoskeleton system for upper limb rehabilitation, Contract UEFISCDI no.TE114/2020, total budget: 412400 RON, Coordinator: S.L. Danut- Constantin Irimia, Marian Poboroniuc (key expert, membru), 216260lei/2020, na=5.

	6. PN-III-P1-1.1-PRECBVT-2021-3414 (Premiere rezultate brevetare- brevet OSIM RO130961/30.08.2021); "Sistem hibrid mecatronic-neuroproteza pentru recuperarea bratului la persoanele cu handicap neuromotor", 29.10.2021-31.12.2021, 5000 lei (Project manager). **7.** An intelligent haptic robot glove for the patients suffering a cerebrovascular accident, grant UEFISCDI No. 150/2012-IHRG, 2012-2015, Coordonator: Universitatea Politehnica Bucuresti, TUIASI:550000 RON, Responsabil proiect TUIASI: Poboroniuc M.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Albu Mihai **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Livint Gh., Horga V., Ratoi M., Albu M., Control of Hybrid Electrical Vehicles, pp. 41- 67, capitol in cartea ELECTRIC VEHICLES Modelling and Simulations, Editata de Seref Soylu, Editura INTECH, 2011, ISBN 978-953-307-477-1, 26 pagini. 2. Gh. Livinţ, R.Gaiginschi, V.Horga, R.Drosescu, G.Chiriac, M.Albu, M.Răţoi, I.Damian, M.Petrescu, Vehicule electrice hibride, Casa de Editură "Venus" (Editură recunoscută CNCSIS), Iaşi, 2006, 535 pagini, ISBN 973-756-002-7.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Gh.Livinţ, V.Horga, D. Sticea, M.Răţoi and M.Albu, Hybrid Electric Vehicle Model with CAN Network Real time Control, Advances in Electrical and Computer Engineering, Nr.2, 2010, ISSN:1582-7445, pp.102-107 (Indexat Web of Science, Scopus). 2. V.Horga, D.Lucache, M.Răţoi, A. Simion, M.Albu, Control of an Interior PM Synchronous Machine for Operating as Integrated Starter-Generator, în Matematical Methods and Computational Techniques in Research an Education, Ed. WSEAS Press (www.wseas.org), ISBN: 978-960-6766-02-2, ISSN: 1790-5117, pp. 194-199. 3. Horga, V., Lucache, D., Răţoi, M., Simion, A., Albu, M., Robust Control Strategy to Parameter Variations for an Interior PM Synchronous Machine, WSEAS Transactions on Systems and Control, 3(5), pp. 453-462, 2008, (Indexat Scopus). 4. Gh. Livinţ, V.Horga, M. Albu, M.Răţoi, Evaluation of Control Algorithms for Hybrid Electric Vehicles, WSEAS Transaction on Systems, Issue 1, Volume 6, January 2007, ISSN 1109-2777,pp.133-140, (Indexat Inspec şi Compendex) 5. V. Horga, M. Albu, M Răţoi and C. Boţan, Autonmous Induction Generator Voltage Control, WSEAS Transaction on Power Systems, Issue 5, Volume 1, May 2006, ISSN 1790-5060, pp.774-779. (Indexat Inspec) 6. V.Horga, D.D.Lucache, M.Albu, Grey-Box Direct Identification of PMBDC Electrical Machine Parameters Based on Continuous-Time Model, Conferinţa Naţională de Acţionări Electrice, Ediţia a XVIII-a, Cluj-Napoca, 13-14 octombrie 2016 , Acta Electrotehnica 57 (2016). 7. Sticea D., Livint Gh., Albu M., DC-DC Converter Structure for Energy Mangement on (Hybrid) Electric Vehicle, Buletinul AGIR, Anul XVII, nr.4, octombrie-decembrie 2012, ISSN 1224-7928, pp.207-211 (Indexat în Copernicus). 8. D. Sticea, Gh.Livinţ and M.Albu, Design and Implementation of a Controller Area Network on a Hybrid Electric Vehicle Experimental Model, Buletinul Institutului Politehnic Iaşi, Tomul LVII (LXI), Fasc.3, 2011, ISSN 1223-8139, pp.87-93. 9. Gh.Livinţ, V.Horga, D. Sticea, M.Răţoi and M.Albu, Electrical Drive Systems Control on a Hybrid Electric Vehicle

Model, Buletinul Institutului Politehnic Iaşi, Tomul LVI (LX), Fasc.4, 2010, ISSN 1223-8139, pp.103-115. (Indexat Copernicus)
10. Gh.Livinţ, V.Horga, M.Albu, M.Răţoi, Control Strategies for Hybrid Electric Vehicles, Buletinul Institutului Politehnic Iaşi, Tomul LII (LVI), Fasc.5, 2006, ISSN:1223-8139, pp.553-562.
11. M. Albu, D. Lucache, M Răţoi, V. Horga, Flexible Power MOSFET Topology for the Automotive DC-DC Converters Study, Buletinul Institutului Politehnic Iaşi, 2005, Tomul LI(LV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.217-224.
12. Gh. Livint, V. Horga, M. Ratoi, D.D. Lucache and M. Albu, Prototyping Station for Electric Drivers of HEVs, Buletinul Institutului Politehnic Iaşi, 2005, Tomul LI(LV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.195-204.
13. Răţoi, M., Horga, V., Albu, M., Diaconescu, M.P., A DSP Implementation of DTC Method for Induction Motors, Buletinul Institutului Politehnic Iaşi, 2004, Tomul L(LIV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp.1077-1084.
14. Albu, M., Foşalău, C., Brînzilă, M., Programmed AC Source for the Simulation of the Line Voltage Disturbances, Buletinul Institutului Politehnic Iaşi, 2004, Tomul L(LIV), Fasc. 5, Electrotehnică, Energetică, Electronică, ISSN 1223-8139, pp. 939-944.
15. Răţoi, M., Horga, V., Albu, M., Diaconescu M.P., Mechatronic Load With Regenerative Capability for Electrical Drives Testing, Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. 5, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 215-220.
16. Horga, V., Răţoi, M., Albu, M., Graur, I., Emulator Control of Dynamic Characteristics of Mechanical Loads, Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. C, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 227- 234.
17. Albu, M., Horga, V., Răţoi, M., Caba Simona, Mechanical Loading System for the Electrical Drive Test Rigs, Buletinul Institutului Politehnic Iaşi, 2002, Tomul XLVIII (LII), Fasc. C, .Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp.221-226.
18. Onea Al., Horga, V., Albu, M., Boţan, C., Indirect Vector Control of Induction Motor with Floating Point DSP, Buletinul Institutului Politehnic din Iaşi, 2002, Tomul XLVIII (LII), Fasc. 1-4, Automatică şi Calculatoare, pp. 88-98.
19. Albu, M., Ratoi, M., Low Speed Observer for Direct-Drive Systems, Buletinul Institutului Politehnic Iaşi, 2000, Tomul XLVI (L), Fasc. 5, .Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp. 169-174.
20. Albu, M., Simona Caba, Torque and Speed Ripples in Low Speed Direct Drive, Buletinul Institutului Politehnic Iaşi, 2000, Tomul XLVI(L), Fasc.5, Secţia Electrotehnică, Energetică, Electronică, ISSN 0258-9109, pp.266-273
21. Albu, M, Foşalău, C., Bojoi, R., Torque and Speed Ripples in Low Speed Drive Systems with Induction Motor, Buletinul Institutului Politehnic Iaşi, Tomul XLV(IL), Fasc.5B, Electr otehnică, Energetică, Electronică, ISSN 0258-9109, 1999, pp. 17-20 (Indexat Inspec).
22. Albu, M., Băluţă, Gh., Torque and Speed Ripples in DC Low Speed Drive Systems, Buletinul Institutului Politehnic Iaşi, Tomul XLV(IL), Fasc.5B, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1999, pp. 13-16 (Indexat Inspec).
23. Băluţă, Gh., Bojoi, R., Albu, M., The Interfacing of Optical (Position) Encoder with Stepper Motors, Development and Application System, D&AS, no. 09, ISSN 1222-7234, Suceava, 1998, pp. 235-240.
24. Graur, I., Taşcă, Gr., Albu, M., Mareş, A., Horga, V., Lucache, D., Numerical Simulation of the Stabilized Functioning Regime of Some Electrical Drive Systems Used in Metallurgical Industry, Buletinul Institutului Politehnic Iaşi, Tomul XLII (XLVI), fasc. 1-2, Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1996, pp.129- 136.

	25. Graur, I., Taşcă, Gr., Graur, A., Taşcă, D., Albu, M., Mareş, M., Lucache, D., Horga, V., Mathematical Model for Stabilized State of Electrical Drive Systems Used in Metallurgical Industry, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 3-4 Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.137-143. 26. Diaconescu, M.P., Băluţă, Gh., Albu, M., Bojoi, R., 150W DC regulated Multi-Voltage Power Supply Dedicated to Electric Drives Control Microsystems, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 5. Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.715-719. 27. Albu, M., Diaconescu, M., Băluţă, Gh., Bojoi, R., Răţoi, M., MOS GateDriver with Dedicated Integrated Circuits used for Driving a Half Bridge MOS Gate Semiconductor Power Device, Buletinul Institutului Politehnic Iaşi, Tomul XLI (XLV), fasc. 5. Secţia III, Electrotehnică, Energetică, Electronică, ISSN 0258-9109, 1995, pp.721-727.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. D.A. Sticea, G. Gabor, G. Chiriac, M. Albu and A. Brinzei, "DC Motor Closed Loop Speed Control Using Rapid Control Prototyping" 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 873-876, doi: 10.1109/SIELMEN67352.2025.11260740 (Indexat IEEEXplore). 2. Vasile Horga, Marcel Răţoi, Mihai Albu, Dorin Lucache, Unified Complex Vector Current Controller for AC Machine Drives, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0924 – 0931. (Indexat IEEEXplore). 3. Vladimir Berzan, Iurie Ermurachi, Dorin Lucache, Mihai Albu, 98.2% Efficiency, Low Cost, 6.6-kW AC/DC Converter for HEV/EV On-Board Charger, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0791 – 0796. (Indexat IEEEXplore). 4. Daniel Sticea, Mihai Albu, Gabriel Chiriac, "Laboratory board for studying the half- bridge power electronic converters", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), pp. 506-511, DOI: 10.1109/SIELMEN.2017.8123380 50/3=16.66 (Indexat IEEEXplore, Web of Science, Scopus). 5. Albu M., Sticea D., Fosalau C. and Chiriac G., Low-Cost Low-Power Microgrid with Photovoltaic Panels, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 941-944, , DOI: 10.1109/ICEPE.2014.6970049 (Indexat IEEEXplore, Web of Science, Scopus) 6. Sticea D., Albu M. and Livint Gh.,The Bidirectional Power Exchange Using a DC/DC Converter with Coupled Inductances, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 933-940, DOI: 10.1109/ICEPE.2014.6970048 (Indexat IEEEXplore, Web of Science, Scopus), 7. Sticea D., Albu M., Livinţ Gh., Horga V., and Răţoi M., An automated manual transmision solution for a hybrid electrical vehicle model, Proceedings of the 6th International Conference on Electrical and Power Engineering, Editura PIM, vol.2, pp.II- 59–II-61, ISBN 978-606-13-0078-5, 28-30 October 2010, Iasi, Romania. 8. Livinţ Gh., Horga V., Răţoi M., Albu M., Chiriac G., Implementing the CANopen protocol for the distributed control of a hybrid electric vehicle, ELECTROMOTION 2009, The 8th International Symposium on Advanced Electromechanical Motion Systems and The EPE Chapter „Electric Drives", 1-3 July, Lille, France, CD-ISBN 978-2-915913- 26-5, (Indexat IEEEXplore, Web of Science, Scopus , Inspec). 9. Sticea D., Albu M., Laboratory test banch for control algorithms study of the DC motor drive, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. I, pp. 405-408, ISBN 978-606-520-617-5, October 8-9, 2009, Iaşi, Romania. 10. Sticea D., Livinţ Gh., Albu M., Chiriac G., Experimental stand for the dynamical cycle study of the batteries used on

hybrid electrical vehicle, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 172-175, ISBN 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania.

11. Livinţ Gh., Horga V., Sticea D., Răţoi M., Albu M., Electrical drives control of a hybrid electric vehicle experimental model, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 21-27, ISBN 978- 606-520-623-6, October 8-9, 2009, Iaşi, Romania.

12. C. Boţan, V.Horga, M.Albu, M.Răţoi, Decoupling Control of an Induction Motor Drive Supplied by a Voltage Source Inverter, International Symposium on Signals, Circuits and Systems – International Symposium on Signals, Circuits and Systems - ISSCS 2007, Iaşi, Romania, 12-13 July 2007, vol.2, pp.421-424, IEEE Catalog Number 07EX1678, ISBN 1-4244-0968-3, Library of Congress 2007920356 (Indexat IEEEXplore, Web of Science, Inspec).

13. Gh.Livinţ, M.Răţoi, V.Horga, M.Albu, Estimation of Battery Parameters Based on Continuous-Time Model, International Symposium on Signals, Circuits and Systems – International Symposium on Signals, Circuits and Systems - ISSCS 2007, Iaşi, Romania, 12-13 July 2007, vol.2, pp.613-616, IEEE Catalog Number 07EX1678, ISBN 1-4244- 0968-3, Library of Congress 2007920356 (Indexat IEEEXplore, Web of Science, Inspec)

14. Boţan C., Horga V., Osatfi F., Albu M., Răţoi M., General Aspects of the Electrical Drive System Optimal Control, CD of the 12th European Conference on Power Electronics and Applications EPE 2007, 2-5 September 2007, Aalborg, Danmark, ISBN 9789075815108 (Indexat IEEEXplore, Web of Science, Inspec)

15. D. Lucache, V.Horga, M.Răţoi, M.Albu, Hardware-In-the-Loop Testing of an Integrated Starter Generator - International Aegean Conference on Electric Machines, Power Electronics and Electromotion (ACEMP'07 & Electromotion'07)-Joint Conference, Bodrum, Turkey, 10.-12 September 2007, pp 363-368, ISBN 978-975-93410-2-2, Editors: Prof.dr H.Bülent Ertan, Prof.dr.Yildirim Űçtuğ (Indexat IEEE Xplore, Web of Science).

16. M.Albu, V.Horga, M.Raţoi, C. Boţan - DC Link Voltage Control of an Induction Generator/PWM Converter System - International Aegean Conference on Electric Machines, Power Electronics and Electromotion (ACEMP'07 & Electromotion'07)-Joint Conference, Bodrum, Turkey, 10.-12 September 2007, pp.766-769, ISBN 978-975- 93410-2-2, Editors: Prof.dr H.Bülent Ertan, Prof.dr.Yildirim Űçtuğ (Indexat IEEE Xplore, Web of Science).

17. Lucache D., Horga V., Albu M.,.Răţoi M, Indirect Field Oriented Control of an Integrated Starter generator, The 32nd Annual Conference of the IEEE Industrial Electronics Society - IECON'06, Paris – France, November 6 - 10, 2006, IEEE Catalog Number: 06CH37763C, ISBN 1-4244-0136-4, ISSN 1553-572X, pp.5107-5112 (Indexat IEEEXplore, Web of Science, Inspec).

18. D.Lucache, V.Horga, M.Ratoi, A.Simion, M.Albu, Motoring Regime Control of an Interior Permanent Magnet Synchronous Machine, The 6th International Conference on Electromechanical and Power Systems – Sielmen'07 – Chişinău, October, 4 - 6, 2007, (Analele Universităţii din Craiova, Seria: Inginerie Electrică, Anul 31, nr.31, 2007, Editura Universitaria, Vol.II, ISSN: 1842-4805, pp. 217-222.

19. Livinţ Gh., Horga V., Albu M., Răţoi M., Testing Possibilities of Control Structures for Hybrid Electric Vehicles, Proceedings of the 2nd WSEAS International Conference on Dynamical Systems and Control – CONTROL'06, Bucharest, Romania, October 16-17 2006.

20. Fosalau, C., Albu, M., Teaching Electric Drives by Internet, 5th International Conference on Electromechanical and Power Systems, Chişinău, Moldova, October 6-8, 2005, pp. 155-158.

21. Horga, V., Onea, A., Albu, M., DSP-Based Adaptive and Self-Tuning Control of an Adjustable Speed DC Drive System, Proceedings of the 5-th WSEAS/IASME International Conference on System Theory and Scientific Computation – ISTAC 05,

Malta, September 15-17, 2005, pp.180-185.
22. Albu, M., Horga, V, Răţoi, M., Disturbing Torque Observers for the Induction Motor Drives Proceedings of the 9-th International Conference on Optimization of Electric and Electronic Equipments - OPTIM'04, vol. III, ISBN 973-635-228-9, Braşov, 20-21 mai 2004, pp.123-128 (Indexat Web of Science).
23. Albu, M., Disturbing Torque Observers for Direct-Drive Systems, Proceedings of the 12- th International Symposium on Power Electronics – Ee 2003, Novi Sad, November 5-7, 2003, paper no.T4-1.5, pp.1-5.
24. Albu, M., Caba Simona, Răţoi, M., Horga, V., IGBT Three-Phase Structure Controlled with the Intelligent Gate Drivers SKHI 22A, Proceedings of the 4-th International Conference on Electromechanical and Power Systems – SIELMEN 2003, vol. II, ISBN 9975-9771-1-1, Chişinău, September 26-27, 2003, pp.33-36.
25. Onea, A., Horga, V., Boţan, C., Albu, M., Multitime Scale Appoach to Induction Motor Parameter Estimation, Proceedings of the IEEE International Symposium on Signals, Circuits ans Systems SCS 2003, vol. 1, ISBN 0-7803-7979-9, Iaşi, July 10-11, 2003, pp. 333-326, IEEE Catalog Number 03EX720 (Indexat IEEEXplore, Web of Science, Scopus, Inspec).
26. Albu, M., Horga, V., Răţoi, M., Induction Motor Supply in Low Speed Range by PWM Inverters, Proceedings of the IEEE International Symposium on Signals, Circuits ans Systems SCS 2003, vol. 1, ISBN 0-7803-7979-9, Iaşi, 10-11 July, 2003, pp. 325-328, IEEE Catalog Number 03EX720 (Indexat IEEEXplore, Web of Science, Scopus, Inspec).
27. Caba Simona, Băluţă, Gh., Albu, M., Some Aspects About the Energy Consumtion During the Start of the Electrical Drives, Proceedings of the 3rd International Conference on Electromechanical and Power Systems SIELMEN 2001, vol. I, ISBN 9975-9638-6-2, Chişinău, 4-6 oct. 2001, pp.169 –170
28. Albu, M., Caba Simona, Băluţă, Gh., Papachatzis, Low Speed Measurement in the Electrical Drive Systems, Proceedings of the 3rd International Conference on Electromechanical and Power Systems SIELMEN2001 , vol. I, ISBN 9975-9638-6-2, Chişinău, 4-6 oct. 2001, pp.171 –176.
29. Nemescu, M., Lucache, D., Ioachim, D., Albu, M., Calculation of a Compensator for a SISO Control System, CD of the 7-th International Symposium on Automatic Control and Computer Science SACCS 2001, Romania , Iaşi, Oct. 2001;
30. Albu, M., Băluţă, Gh., Nemescu, M., Feedforward Control of a DC Direct-Drive in Low Speed Range, CD of the 7-th International Symposium on Automatic Control and Computer Science SACCS 2001, Romania, Iaşi, Oct. 2001;
31. Băluţă, Gh., Villiotis I., Papahatzis N., Albu M., Aspects Regarding Stepper Motors Control Improvement, Proceedings la a doua Conferinţă Internaţională de Sisteme Electromecanice - SIELMEC'99, ISBN:9975-944-30-2, 8-9 Octombrie 1999, Chişinău, Republica Moldova, Vol. I, pp. 149□152.
32. Albu, M., M. Diaconescu, Gh. Băluţă, DC Direct-Drive Test System, Proceedings of the 3-th IEEE International Symposium on Advanced Electromechanical Motion Control Systems - ELECTROMOTION'99, Vol. I, Patras, Greece, 8-9 July 1999.
33. Băluţă, Gh., Bojoi, R., Albu, M., Consideration Regarding the Gate Drive of Isolated Gate Bipolar Transistor (IGBT), Proceedings of the 3rd International Scientific Conference ELEKTRO'99, ISBN: 80-7100-606-8, 25 - 26 May 1999, Žilina, Slovak Republic, Section Electrical Engineering, pp. 157□162.
34. Bojoi, R., Băluţă, Gh., Albu, M., Simulation of PWM Inverters Using PSPICE, Proceedings of International Symposium on Automatic Control and Computer Science – SACCS'98, Iaşi, 1998, vol. I, pp. 320-324, ISBN 973-9390-42-0.
35. Băluţă, Gh., Albu, M., Bojoi, R., Reversible Pulse Sequencers for Step Motor Operation, Proceedings of the 6-th International Conference on Optimization of Electric and Electronic Equipments - OPTIM'98, Braşov, 1998, vol. II, pp. 355-360 (Indexat IEEEXplore, Inspec).

36. Băluţă, Gh., Bojoi, R., Albu M., Considerations Concerning the Loading of Small Power Electric Motors, Proceedings of the Second IEEE International Symposium on Advanced Electromechanical Motion Control Systems-ELECTROMOTION'97, 1997, Cluj-Napoca, pp. 173□176.
37. Horga, V., Graur, I., Albu, M., Graur, A., Mathematical Modeling and Numerical Simulation of an Inverter-Fed Self-Controlled Synchronous Motor Using the Space- Phasor Theory, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997, vol.1, pp. 82-85.
38. Băluţă, Gh., Bojoi, R., Albu, M., Mathematical Modeling and Numerical Simulation of Separately Excited DC Motor, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997, vol.1, pp. 34-37.
39. Băluţă, Gh., Albu, M., Bojoi, R., Numerical Simulation of Adjustable Speed Drives with Separately Excited DC Motors, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997, vol.1, pp. 30-33.
40. Simona Caba, M. Albu, R. Bojoi, V. Horga, The Estimation of States and Parameters of an Electrical Drive System, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997, vol.1, pp. 74-77.
41. Albu, M., Băluţă, Gh., Caba Simona, Horga, V., Direct Electrical Drive Systems in Low Speed Functioning, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997, vol.1, pp. 70-73.
42. Albu, M., Băluţă, Gh., Bojoi, R., Răţoi, M., Bîrleanu, C., Flexible Topology PWM Converter with IGBT Power Devices, Proceedings of the 1st International Conference on Electromechanical Systems - SIELMEC'97, ISBN:9975-910-22-X, Ed.Tehnică, Republica Moldova, Chişinău, 16-18 oct. 1997. vol.1, pp. 46-49.
43. Băluţă, Gh., Bojoi, R., Resmeriţă, Şt., Albu, M., +5V,5A Switching Source, Proceedings of the 5th International Conference OPTIM'96, Braşov, 15-16 mai 1996.
44. Băluţă, Gh., Resmeriţă, Şt., Albu, M., Bojoi, R., Contribution on the Numerical Measurement of the Characteristic Quantities of Electric Driving Systems, Proceedings of the 5-th International Conference on Optimization of Electric and Electronic Equipments - OPTIM'96, Braşov, 15-16 mai 1996, vol.V, pp. 1609□1618.
45. Sticea D., Albu M., Tehnici active pentru îmbunătăţirea calităţii energiei electrice, Concursul National de Referate şi Comunicări ştiinţifice Ştefan Procopiu 2009, organizat de catre Colegiul Naţional Cartianu în perioada 24-25 ianuarie 2009, localitatea Piatra Neamţ, Romania.
46. Lucache D., Albu M., Ioachim D., Variantă de alimentare la înaltă frecvenţă a tuburilor fluorescente, International Conference ILUMINAT 2005 & BALKAN LIGHT, Cluj- Napoca 2005.
47. Albu, M., Caba Simona, Horga, V., Laboratory PWM Inverter with IGBT Modules, Proceedings of the 11th National Conference on Electrical Drives – CNAE2002, Galaţi, 2002, pp.386-391.
48. Albu, M., Caba Simona, Iacob, I., Microstepping System for Low Speed Step Motor Control, Proceedings of the National Conference on Electrical Drives - CNAE'98, Craiova, 1998, pp.247-250
49. Albu, M., Ratoi, M., Bibiri, C., Digital Speed Measuring Interface for Low Speed Drive Systems, Proceedings of the National Conference on Electrical Drives - CNAE'98, Craiova, 1998, pp.241-246.
50. Albu, M., Seghete, L., Electric Drive of the Winding Machine with Small Power and Increasing slip Induction Motors,

	Proceedings of the 8-th National Conference of Electrical Drives-CNAE'92, 1992, Iaşi, Vol. I, pp. E.16.1□E.16.6. 51. Băluţă, Gh., Răţoi, M., Albu, M., Numerical Relay of Internal Angle, Proceedings of the 8-th National Conference of Electrical Drives -CNAE'92, 1992, Iaşi, Vol. I, pp. B.17.1□ B.17.6. 52. Băluţă, Gh., Caba Simona., Răţoi, M., Albu, M., Pulse Distributors and Driver for Step Motor Control, Proceedings of the 8-th National Conference of Electrical Drives- CNAE'92, 1992, Iaşi, Vol. II, pp. D.15.1□D.15.6. 53. Diaconescu, M., Răţoi, M., Albu, M., Data acquisition systems for process digital control, Proceedings of the D&AS'92 conference, Suceava,1992. 54. Băluţă, Gh., Albu, M., Răţoi, M., Horga, V.,Control System with Programmable Controller for Self-Levelling Elevator, Proceedings of the First Conference on Development and Application Systems-D&AS'92, 1992, Suceava, no. 01, pp. 153□156. 55. Băluţă, Gh., Răţoi, M., Albu, M., Horga, V., Drives System Control with the Wound Rotor Induction Motor Using Programmable Logic, Proceedings of the First Conference on Development and Application Systems-D&AS'92,1992, Suceava, no.01, pp.173□176. 56. Caba Simona, Baluta, Gh., Albu, M., Răţoi, M., Digital Simulation of the DC Motor Drive System with the State Variables Feedback, Proceedings of the First Conference on Development and Application Systems-D&AS'92, Suceava, 1992.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Modernizarea Laboratorului de Electronică de putere, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată, TUIASI, Contracte: nr.1010/30.01.2023, nr.1071/31.03.2023, nr.1185/08.08.2023, nr.1207/08.09.2023, încheiate între Vitesco Technologies Engineering Romania și SETIS (Societatea Absolvenților Facultății de Electrotehnică din Iași). Valoare totală: 30.000 lei (2023), Responsabil: Conf.dr.ing. Mihai ALBU. 2. Proiect de modernizare a Laboratorului de Acționări electrice, Facultatea de Inginerie Electrică, Energetică și Informatică Aplicată, TUIASI, Contract nr.132/18.03.2022 încheiat între firma Borg Warner și SETIS (Societatea Absolvenților Facultății de Electrotehnică din Iași). Valoare: 100.000 lei (2022), Responsabil: Conf.dr.ing. Mihai ALBU. 3. Reţele de distribuţie de curent continuu pentru aplicaţii industriale – DCNET, Contract 194/07.2006 (Consorţiu) Val: 297.500 mil, Responsabil tema: Prof. dr.ing Mihaela ALBU – Facultatea de Inginerie Electrică – Bucureşti., Valoare UTI: 43.000RON/2008, Responsabil UTI: Prof.dr.ing. Corneliu BOŢAN. 4. Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride, Contract CEEX X2C28/2006, Valoare 350000/2008 din care 193700/2008 pentru UTI, na = 10, Director grant: Prof.dr.ing. Gh. Livint, 5. Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride, Contract CEEX nr. X2C28/2006, Valoare: 381000/2007 din care 212000RON/2007 pentru UTI, Director proiect: Prof.dr.ing. Gheorghe LIVINŢ. 6. Metode avansate de control pentru eficientizarea producerii şi utilizării energiei, Contract CEEX-MENER nr.603/2005 Valoare:192.500 RON/2007 pentru UTI, Director proiect: Prof.dr.ing. Corneliu BOŢAN. 7. Reţele de distribuţie de curent continuu pentru aplicaţii industriale – DCNET, Contract 194/07.2006 (Consorţiu) Val: 297.500 mil, Responsabil tema: Prof.dr.ing Mihaela ALBU – Facultatea de Inginerie Electrică – Bucureşti, Subcontract UTI: 3782P/02.07.07., Valoare: 45.800RON/2007,Responsabil:Prof.dr.ing. Corneliu BOŢAN. 8. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract GR 80/23.05.2007, cod CNCSIS 528, Tema 30/2007, Valoare 60000RON/2007, Director

	proiect: Prof.dr.ing. Gheorghe. LIVINŢ. 9. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract GR 80/23.05.2007, cod CNCSIS 530, Tema 32/2007, Valoare : 32000RON/2007, Director proiect: Conf.dr.ing. Dorin Dumitru LUCACHE. 10. Algoritmi evoluati de control in timp real pentru optimizarea vehiculelor electrice hibride, Contract CEEX nr. X2C28/2006, Valoare 89.000 RON, Valoare UTI: 44.300 RON/2006, Director proiect: Prof.dr.ing. Gheorghe LIVINŢ. 11. Metode avansate de control pentru eficientizarea producerii şi utilizării energiei, Contract CEEX-MENER nr.603/2005 Valoare: 244.800 RON/2006 pentru UTI, Director proiect: Prof.dr.ing. Corneliu BOŢAN. 12. Reţele de distribuţie de curent continuu pentru aplicaţii industriale – DCNET, Contract 194/07.2006 (Consorţiu) Val: 297.500 mil, Responsabil tema: Prof.dr.ing Mihaela ALBU – Facultatea de Inginerie Electrică – Bucureşti, Subcontract UTI: 3235P/05.07.06., Valoare UTI: 60.000RON/2006, Responsabil UTI: Prof.dr.ing. Corneliu BOŢAN. 13. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract A1/GR 164/19.05.2006, cod CNCSIS 528, Valoare 50000RON/2006, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ. 14. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract A1/GR 164/19.05.2006, cod CNCSIS 530, Tema 49/2006, Valoare : 30000RON/2006, Director proiect: Conf.dr.ing. Dorin Dumitru LUCACHE 15. Metode moderne de control aplicate sistemelor de acţionare electrică, Contract nr. A1Gr 164/19.05.2006, Cod CNCSIS 471/2006, Tema 13, Valoare 20.000RON/2006, Director proiect: Prof.dr.ing. Corneliu BOŢAN 16. Metode avansate de control pentru eficientizarea producerii şi utilizării energiei, Contract CEEX-MENER nr.603/2005 Valoare: 244.200RON/2005 pentru UTI, Director proiect: Prof.dr.ing. Corneliu BOŢAN 17. Cercetări privind utilizarea inteligenţei artificiale pentru controlul, comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, Contract 27637/14.03.2005, Cod CNCSIS 528 Tema 33, Valoare 50000RON/2005, Director proiect: Prof.dr.ing. Gheorghe. LIVINŢ 18. Sistem inteligent alternator-demaror-integrator-integrat pentru autovehicule, Contract 27637/14.03.2005, cod CNCSIS 530, Tema 35/2005, Valoare : 28000RON/2005, Director proiect: Conf.dr.ing. Dorin Dumitru LUCACHE 19. Metode moderne de control aplicate sistemelor de acţionare electrică, Contract 33371/2004, Cod CNCSIS 471/2005, Tema 11, Valoare: 17000RON/2005, Director proiect: Prof.dr.ing. Corneliu BOŢAN 20. Structuri avansate de conducere a acţionărilor electrice cu motoare pas cu pas, Contract 34664/2005-T5, Cod CNCSIS 464/2005, Valoare 12.000RON/2005, Director proiect: Prof. dr.ing. Gheorghe BĂLUŢĂ. 21. Structuri avansate de conducere a acţionărilor electrice cu motoare pas cu pas, Contract 33371/2004 – T5, Cod CNCSIS 464/2004, Valoare 110 mil.ROL/2004, Director proiect: Prof. dr.ing. Gheorghe BĂLUŢĂ. 22. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, Contract 33557/2003, Cod CNCSIS 336/2003, Tema 37, Valoare: 72 mil.ROL/2003, Director proiect Prof.dr.ing. Alecsandru SIMION. 23. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, Cod CNCSIS 406/2002, Valoare: 46 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION. 24. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME", Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Cod CNCSIS 106/2002, Valoare: 50 mil.ROL/2002, Director proiect: Prof.dr.ing. Alecsandru SIMION. 25. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială, Contract 35254/2001, cod CNCSIS 247/2001, Tema 43, Valoare: 42,4mil.ROL/2001, Director proiect: Prof.dr.ing. Alecsandru SIMION.

	26. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME, Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema A26/2001, Valoare: 57,4 mil.ROL/2001 - Director proiect: Prof.dr.ing. Alecsandru SIMION; 27. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME, Contr.nr.6177/2000-02 cu ANSTI (ulterior cu CNCSIS) - Tema B23/2000, Valoare: 37,700 mil.ROL/2000, Director proiect: Prof.dr.ing. Alecsandru SIMION. 28. O nouă calitate în pregătirea practică a studenţilor folosind laboratoare multifuncţionale de electrotehnică – Program multiinstituţional în colaborare cu Universitatea Tehnică Cluj-Napoca, GRANT CNFIS 98/1997 (finanţat de CNFIS şi Banca Mondială), Proiect de Iniţiere Program - PIP realizat în 1998/1999 etapa I, Valoare: 24400USD =216,550 mil.ROL/1998 , Director proiect: Prof.dr.ing. Alecsandru SIMION, 18 membrii în echipă având cote egale (1USD = 8875 ROL în 1998). 29. Cercetări privind noi posibilităţi de comandă cu şi fără traductor incremental (de poziţie) pentru motoarele pas cu pas.Contract de cercetare nr. 5002, Grant 597/1996, Tema 65, Beneficiar: C.N.C.S.U. şi Ministerul Învăţământului, Valoare: 3 mil.ROL/1996, Director proiect: Prof.dr.ing. Mircea Paul DIACONESCU. 30. Cercetări privind noi posibilităţi de comandă cu şi fără traductor incremental (de poziţie) pentru motoarele pas cu pas.Contract de cercetare nr. 4002, Grant 662/1995, Tema B11, Beneficiar: C.N.C.S.U. şi Ministerul Învăţământului, Valoare: 1,6 mil.ROL/1995, Director proiect: Prof.dr.ing. Mircea Paul DIACONESCU. **31.** Studii şi cercetări experimentale pentru raţionalizarea consumrilor de energie în secţia de Finisaj la S.C. Integrata S.A. Paşcani. Contract nr. 666/95-96. Beneficiar: S.C. Integrata Paşcani S.A., Valoare: 2,360 mil.ROL/1995, Responsabil contract: Şef lucr. Grigore TAŞCĂ

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Arădoaei P. Mihaela **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Aradoaei Sebastian Teodor, Ciobanu Romeo Cristian, Darie Raluca Nicoleta, Mosneagu Mihaela (casătorită Aradoaei), Innovative biocomposite derived from waste materials with applications in electrical domain, Interdisciplinary research in engineering: steps towards breakthrough innovation for sustainable development, Book Series: Advanced Engineering Forum, Volume: 8-9 pp. 379-386, 2013, DOI10.4028/www.scientific.net/AEF.8-9.379, WOS:000323184000043, 3/4 –pct. 0,75 2. Gheorghe Batrinescu, Nicolae Ionut Cristea, Robert Valeriu Badescu, Romeo Cristian Ciobanu, George Andrei Ursan, Mihaela Aradoaei, The Induced Impact on the Environment by Combined Plastic and Paper Waste before and after Recovery, Revista de Chimie, 2019, vol.: 70, Issue 12, pp. 4579-4583, https://doi.org/10.37358/RC.19.12.7796, 3/6 –pct. 0,5 3. A.R. Caramitu, V. Marinescu, S. Mitrea, M. Arădoaei, G.A. Ursan, Dielectric and Morphostructural Characterization of some Types of Polypropylene Composites / Metalic Nanopowders, Electrotehnică, Electronică, Automatică , (EEA), Volumul: 67, nr. 1,pp. 61-67 2019, 3/5 –pct. 0,6 4. S. Arădoaei, R. Darie, M. Moşneagu (casătorită Aradoaei), Dielectric Investigations On Composite Materials Obtained From Waste Plastics, Buletinul institutului politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi,

	Tomul LVII (LXI), Fasc. 6, 2011, Secţia Electrotehnică. Energetică. Electronică, 3/3 – pct. 1
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment, Polymers Journal 2023, Volume 15, Issue 19, 3859, DOI: 10.3390/polym15193859, WOS: 001083084200001, factor de impact 5, 6/6 –pct. 1 2. Mihaela Aradoaei, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, Piezoelectric thin Film Composites with BaTiO3 for Microelectronics, Revista de Materiale Plastice, 2023, vol.:60, Issue 4, pp. 10-130, DOI:10.37358/MP.23.4.5683, factor de impact 0.8, 6/10 – pct. 0,6 3. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pintea, Mihaela Baibarac, Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001, factor de impact 5, 6/7 –pct. 0,85 4. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, Mihaela Aradoaei, Violeta Tsakiris, Jana Pintea, Virgil Marinescu, Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe2O4 Powders, Polymers Journal 2023, Volume 15, Issue 11, 2447, DOI: 10.3390/polym15112447, WOS:001005724100001, factor de impact 5, 6/8 –pct. 0,75 5. Romeo C. Ciobanu, Radu F. Damian, Cristina M. Schreiner, Mihaela Aradoaei, Alexandru Sover, Askok M. Raichur, Simulation of Dielectric Properties of Nanocomposites with Non-Uniform Filler Distribution, Polymers Journal 2023, Volume 15, Issue 7, 1636, DOI: 10.3390/polym15071636, WOS:000970081800001, factor de impact 5, 6/6 –pct. 1 6. Romeo C. Ciobanu, Mihaela Aradoaei, Alina R. Caramitu, Ioana Ion, Cristina M. Schreiner, Violeta Tsakiris, Virgil Marinescu, Elena G. Hitruc, Magdalena Aflori, Special Packaging Materials from Recycled PET and Metallic Nano-Powders, Polymers Journal 2023, Volume 15, Issue 15, 3161, DOI: 10.3390/polym15153161, WOS:001046370500001,factor de impact 5, 6/9 –pct. 0,66 7. Epure Elena-Luiza, Cojocaru Florina Daniela, Aradoaei Mihaela, Ciobanu Romeo Cristian, Dodi Gianina, Exploring the Surface Potential of Recycled Polyethylene Terephthalate Composite Supports on the Collagen Contamination Level, Polymers Journal 2023, Volume 15, Issue 3, 776, DOI: 10.3390/polym15030776, WOS:000933750300001, factor de impact 5, 6/5 –pct. 1,2 8. Romeo C. Ciobanu, Cristina M. Schreiner, Mihaela Aradoaei, Gabriele E. Hitruc, Bogdan G. Rusu, Magdalena Aflori , Characteristics of Composite Materials of the Type: TPU/PP/BaTiO3 Powder for 3D Printing Applications, Polymers Journal 2023, Volume 15, Issue 1, 73, DOI: 10.3390/polym15010073, WOS: 000909131900001, factor de impact 5, 6/6 –pct. 1 9. Alina Ruxandra Caramitu, Ioana Ion, Adriana Mariana Bors, Cristian Romeo Ciobanu, Cristina Schreiner, Mihaela Aradoaei, Ana-Maria Daniela Caramitu, Physico-chemical characterization of paint films with electromagnetic properties, Revista Materiale Platice, 2022, Volumul: 59, nr. 2, pp 9-23, DOI: 10.37358/MP.22.2.5580, WOS:000831634900002, factor de impact 0.8, 6/7 –pct. 0,85 10. Gianina Dodi, Diana Popescu, Florina Daniela Cojocaru, Mihaela Aradoaei, Romeo Cristian Ciobanu, Cosmin Teodor Mihai, Use of Fourier-Transform Infrared Spectroscopy for DNA Identification on Recycled PET Composite Substrate, Applied Science 2022, Volume 12, Issue 9, 4371, DOI:10.3390/app12094371, WOS:000795255500001, factor de impact 2.7, 6/6 –pct. 1 11. Constantin Mirela Alina, Constantin Lucian Alexandru, Aradoaei Sebastian, Aradoaei Mihaela, Bratu Mihai, Vasile

	Ovidiu, Acoustic Properties of a New Composite Material Obtained from Feather Flour and Recycled Polypropylene, Revista de Materiale Plastice, 2022, vol.:58, pp. 84-93, DOI:10.37358/MP.21.4.5534, WOS:000744132400004, factor de impact 0.8, 6/6 – pct. 1 12. Alexandru Sover, Vasile Ermolai, Ashok M. Raichur, Romeo Ciobanu, Mihaela Aradoaei, Nicolae Lucanu, Feasibility of Producing Core-Shell Filaments through Fused Filament Fabrication, Polymers Journal, 2021, Volume 13, Issue 23, 4253, DOI:10.3390/polym13234253, WOS:000734564000001,factor de impact 5, 6/6 –pct. 1 13. Megha Sahu, Lakshmi Narasimhan, Ashok M. Raichur, Alexandru Sover, Romeo C. Ciobanu,Nicolae Lucanu, Mihaela Aradoaei, Improving Fracture Toughness of Tetrafunctional Epoxy with Functionalized 2D Molybdenum Disulfide Nanosheets, Polymers Journal, 2021, Volume 13, Issue 24, 4440, DOI: 10.3390/polym13244440, WOS:000737388000001, factor de impact 5, 6/7 –pct. 0,85 14. Luiza Madalina Gradinaru, Mihaela Barbalata Mandru, Mioara Drobota, Magdalena Aflori, Maria Butnaru, Maria Spiridon, Florica Doroftei, Mihaela Aradoaei, Romeo Cristian Ciobanu, Stelian Vlad, Composite Materials Based on Iron Oxide Nanoparticles and Polyurethane for Improving the Quality of MRI, Polymers Journal, 2021, Volume 13, Issue 24, 4316, DOI: 10.3390/polym13244316, WOS:000737424800001, factor de impact 5, 6/10 –pct. 0,6 15. V. Stancu, A. Galatanu, M. Enculescu, M. Onea, B. Popescu, P. Palade, M. Aradoaie, R. Ciobanu, L. Pintilie, Influences of Dispersions' Shapes and Processing in Magnetic Field on Thermal Conductibility of PDMS–Fe3O4 Composites, Materials 2021, Volume 14, Issue 13, 3696, DOI: 10.3390/ma14133696, WOS:000671005800001, factor de impact 3,4, 6/9 –pct. 0,6 16. Alina Ruxandra Caramitu, Radu Dascalu, Ioana Ion, Violeta Tsakiris, Nicolae Stancu, Mihaela Aradoaei, Romeo Cristian Ciobanu, Adriana Mariana Bors, Iosif Lingvay, Obtaining and Characterizing 3D Printable Polymer Based Composites with BaTiO3 Filler, Revista de Materiale Plastice, 2021, vol.:58, Issue 1, pp. 11-18, DOI:10.37358/MP.21.1.5440, WOS:000637398100002, factor de impact 0.8, 6/9 –pct. 0,66 17. Sebastian Aradoaei, Vasile Bahrin, Mihaela Aradoaei, Constantin Mirela, Constantin Lucian, Ionescu Ioana, Analysis of the Physical and Chemical Properties of Biocomposite Materials Obtained from Feather Flour and Polypropylene, Revista de Materiale Plastice, 2020, vol.:57, Issue 4, pp.325-332, WOS:000617344900031, https://doi.org/10.37358/MP.20.4.5432, WOS:000617344900031, factor de impact 0.8, 6/6 –pct. 1 18. A. R. Caramitu, S. Mitrea, V. Marinescu, G. A. Ursan, M. Arădoaei, I. Lingvay, Dielectric Behavior and Morphostructural Characteristics of some HDPE Composites / Metal Nanopowders, Revista de Materiale Plastice, 2019, vol.: 56, Issue 1, pp.103-109, WOS: 000464604100021, https://doi.org/10.37358/MP.19.1.5132, factor de impact 0.8, 6/6 –pct. 1 19. S.Aradoaei, R.Darie, C.Vasile, M. Mosneagu, M. Olariu, Morphology and dielectric properties of some LDPE/PA blends in presence of compatibilizers, Solid State Phenomena, Vol. 188, Advance Material Structure, pp. 268-274, 2012, DOI:10.4028/www.scientific.net/SSP.188.268, WOS: 000308047400045, factor de impact 0,40/, 6/5=1,2
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Mihaela Aradoaei, Oliver Schreiner, Andreea Maria Lucaci, Vlad Morosanu, Georgiana Patrascu, Adrian Saridache, Cristina Schreiner, Sebastian Teodor Aradoaei, Testing the Interaction of Electromagnetic Radiation with Nano/Micro-Conductive Composite Material, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), 11-03 October 2023, Chisinau, Modova, DOI: 2. Mihaela Aradoaei, Oliver Schreiner, Ionel Alexa, Alin Olteanu, Madalina Ancuta Pintilei, Romeo Cristian Ciobanu, Sebastian Teodor Aradoaei, Simulating the Interaction of Electromagnetic Radiation with Matter, Within Nano/Micro-Conductive Composite, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), 11-03

	October 2023, Chisinau, Modova, DOI: 10.1109/SIELMEN59038.2023.10290731, indexat IEEE Xplore, 4/7 –pct. 0,57 3. Dodi Gianina, Cojocaru Florina-Daniela, Popescu Diana, Aradoaei Mihaela, Ciobanu Cristian Romeo, Mihai Cosmin Teodor, Comparative Terahertz and ATR- FTIR Spectroscopy Assessment of Protein Based Contaminants on Recycled PET Composite Material, AIP Conference Proceedings, Volume 2601, issue 1, June 2023, Article number 020026, DOI: 10.1063/5.0130478, indexat scopus, 4/6 –pct. 0,66 4. Mihaela Aradoaei, Andreea Maria Lucaci, Sebastian Teodor Aradoaei, Cristina Mihaela Schreiner, Romeo Cristian Ciobanu, Obtaining Nanocomposite Films With Predefined Thermal Conductivity, With Controlled Anisotropy, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959825, 4/5 –pct. 0,80 5. Mihaela Aradoaei, Andreea Maria Lucaci, Sebastian Teodor Aradoaei, Cristina Mihaela Schreiner, Maria Madalina Nastasache, Composites with Nano Conductive Channels Architecture Uniformly Distributed Through the Thickness of the Material and Oriented in the Magnetic Field, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959798, 4/5 –pct. 0,80 6. Alexandru Trandabat, Alexandru Arcire, Romeo Cristian Ciobanu, Olga Plopa, Mihaela Aradoaei, Alin Olteanu, Mosneagu Andrei Adriana Mona, Design and modeling considerations for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methilbenzenpirol, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959778, 4/7 –pct. 0,57 7. Madalina Ancuta Pintilei, Ileana Ursu, Sebastian Pascu, Cristina Mihaela Schreiner, Mihaela Aradoaei, Alin Olteanu, Compression Of Acquired Data In Order To Make Transmission And Processing More Efficient, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959083, 4/6 –pct. 0,66 8. Ileana Ursu, Alin Olteanu, Vlad Morosanu, Cristina Mihaela Schreiner, Mihaela Aradoaei, Technical Analysis Regarding The Implementation Of A Building Management System, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959794, 4/5 –pct. 0,80 9. Davide Fabiani, Romeo Ciobanu, Mihaela Aradoaei, Piezoelectric Nanofibrous Composite Materials for Energy and Electronic Applications, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 20-22 Octombrie EPE 2022 - Iaşi, DOI: 10.1109/EPE56121.2022.9959737, 4/3 –pct. 1,33 10. Mona Andrei, Mihaela Aradoaei, Sebastian Mihail Pascu, Sebastian Teodor Aradoaei, Modeling and simulation of electromagnetic absorption properties of nano- structured composites in the radio frequency/micowave range, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 06-08 October 2021, Iasi, Romania, Accession Number: 21438259, DOI: 10.1109/SIELMEN53755.2021.9600270, 4/4 –pct. 1 11. Mona Andrei, Andreea-Maria Lucaci, Mihaela Aradoaei, Sebastian Teodor Aradoaei, Design of the nano / micro scale structure of nanostructured composites activable in the radio frequency/microwave range depending on the frequency of the electromagnetic field, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 06-08 October 2021, Iasi, Romania, Accession Number: 21438304, DOI: 10.1109/SIELMEN53755.2021.9600282, 4/4 –pct. 1 12. L. Ungureanu, R.C. Ciobanu. C.M. Schreiner, M. Aradoaei, O. Plopa, M. Baibarac, Flexible Piezo-Electric Composites for 3D-Printed Harvesters, 11th International Conference on electrical and power engineering, 22-23 Octombrie EPE 2020 - Iaşi, Romania, DOI: 10.1109/EPE50722.2020.9305569, 4/6 –pct. 0,66 13. S.T. Aradoaei, V. Bahrin, M. Aradoaei, M.A. Constantin, L.A. Constantin, Dielectric Spectroscopy Analysis of

	Composites Obtained from Thermoplastic with Feathers Flour, 11th International Conference on electrical and power engineering, 22- 23 Octombrie EPE 2020 - Iaşi, Romania, DOI: 10.1109/EPE50722.2020.9305582, 4/5 –pct. 0,80 14. Ursan George-Andrei, Plopa Olga, Contofan Cosmin, Aradoaei Mihaela, Ursan Maria, Optical Evaluation Systems for Anisotropic Composite Materials Quality Assessment, 12th International Conference And Exhibition On Electromechanical And Energy Systems, SIELMEN 2019, 10-11 Oct., Chișinău, WOS: 000630287500041, 4/5 – pct. 0,80 15. R.C. Ciobanu, G.A. Usan, M. Aradoaei, G. Batrinescu, A.R. Baciu, Specific Tests Concerning Microwave Sterilization Efficiency of Combined Plastic and Paper Waste,10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iaşi, Romania, Page 1000-1003, WOS: 000458752200196, 4/5 –pct. 0,80 16. A.D. La Rosa, G.A. Usan, M. Aradoaei, M. Ursan, C. M. Schreiner, Susceptor Assisted Microwave Processing of Polymers for Adhesive Production, 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iaşi, Romania, Page 662-665, WOS:000458752200129, 4/5 –pct. 0,80 17. A.D. La Rosa, G.A. Usan, M. Aradoaei, M. Ursan, C. M. Schreiner, Life Cycle Assessment of Microwave Activated Hot-Melt Adhesives, 10th International Conference on electrical and power engineering, 18-20 Octombrie EPE 2018 - Iaşi, Romania, Page 658-661, WOS: 000458752200128, 4/5 –pct. 0,80 18. R.C. Ciobanu, M.A. Olariu, G.A. Usan, M. Aradoaei , O. Plopa, Modeling and Simulation of Nanoparticles Dispersion for the Realization of ACFs,1International Symposium on Fundamentals of Electrical Engineering, University Politehnica of Bucharest, 1-3 November 2018, WOS:000480396400034, 4/5 –pct. 0,80 19. Arădoaei S., Andrei M., Ciobanu R., Moşneagu M. (casătorită Aradoaei), Bahrin V., Modeling The Properties Of Bio-Composites Obtained From Plastic And Wood Waste For Building Applications, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, 2017- September, pp. 504-507, indexat Scopus, 4/5 –pct. 0,80 20. M. Aradoaei, I. Pepenar, Considerations on the Dielectric Properties and Thermal Profile of Geopolymeric Composites with Ferro / Ferrimagnetic Inserts, 8th International Conference on electrical and power engineering, 16-18 Octombrie EPE 2014 - Iaşi, Romania, Page 891-896, WOS: 000353565300166, 4/2 –pct. 2 21. S. Aradoaei, M. Mosneagu (casătorită Aradoaei), R. Darie, G.Constantinescu, Development Of New Materials For Construction Sector Obtained From Renewable Resources, enviBuild 2012 and Building Performance Simulation Conference 2012, Advanced Materials Research; Brno, pp.231-235, 2012. https://doi.org/10.4028/www.scientific.net/AMR.649.231, 4/4 –pct. 1 22. S.Aradoaei, R.Darie, M. Mosneagu (casătorită Aradoaei), S.Ursache, Technological analysis of materials derived from recycled PET and LDPE via dielectric spectroscopy method, Proceedings of 7th International Conference Management of Technological Changes, MTC 2011, 1-3 September, Alexandroupolis, Greece, vol.1, pp. 449-452, 2011, page 449-452, WOS: 000306939900113, 4/4 –pct. 1 23. C. Lorentz, G. Viziteu, M. Aradoaei, I.A.Elges, Electrothermal absorption properties of electromagnetic schielding systems with hexachiral structure, The 9th International Conference on Electromecanical and power systems, Sielmen 2013, Chisinău, Moldova, 17-18 octombrie, pp. 33-36, ISBN : 978-606-13-1560-4, 1/4 - 0,25 pct 24. M. Sireteanu, B. Florean, M. Aradoaei, T. Cotet, Using Quick-Wave software package for electromagnetic design and applications for hexachiral electromagnetic schelding structures, The 9th International Conference on Electromecanical and power systems, Sielmen 2013, Chisinău, Moldova, 17-18 octombrie, pp. 44-47, ISBN : 978- 606-13-1560-4, 1/4 - 0,25 pct 25. S. Ursache, M. Mosneagu (căsăt. Arădoaei), A. Niagu, V. Scarlatache, Electromagnetic shielding – numerical aproch

	and some complementary aplications or increase the energy efficiency of buildings, The 8th International Conference on Electromecanical and power systems, Sielmen 2011, Chisinău, Moldova, 13-15 octombrie, pp. 309-314, 1/4 - 0,25 pct 26. M. Mosneagu (căsăt. Arădoaei), S. Aradoaei, S. Ursache, A. Pruteanu, Analysis o composite materials obtained by recycling PE/Wood sawdust, EPE 6th International Conference on electrical and power engineering, 28-30 Octombrie 2010 - Iaşi, Romania, Vol. I, pp. I-379-382, ISBN: 978-606-13-0077-8, 1/4 - 0,25 pct 27. M. Mosneagu (căsăt. Arădoaei), R.Darie, S. T. Aradoaei and I. Spiridon, Assessment of Mechanical and dielectric characteristics of polyethylene/poplar seed hair systems EPE 2010, 6th International Conference on electrical and power engineering, 28-30 October 2010 - Iaşi, Romania, pp. I-383-386, ISBN: 978-606-13- 0077-8, 1/4 - 0,25 pct 28. S. Ursache, M. Mosneagu (căsăt. Arădoaei), A. Pruteanu, A. Neagu, Waste elecectronic equipment (WEEE): Recovery and recycling technologies – A sourse for new materials developing, 6th International Conference on electrical and power engineering, 28-30 Octombrie EPE 2010 - Iaşi, Romania, pp. I-375-378, ISBN: 978- 606-13-0077-8, 1/4 - 0,25 pct 29. F. Mangeloglu, R. Ciobanu, K. Karakus, M. Mosneagu (căsăt. Arădoaei), Biobased composites from wheat straw flour and high density polyetylene (HDPE) 6th International Conference on electrical and power engineering, 28-30 Octombrie EPE 2010 - Iaşi, Romania, pp. I-.391-393, ISBN: 978-606-13-0077-8, 1/4 - 0,25 pct 30. A. Trandabăţ, R. Burlacu, C. Brătescu, M. Arădoaei, Internet Based Virtual Laboratory in Engineering Field , 7TH International Conference on Electromechanical and Power Systems, SIELMEN 2009, vol I, 8-9 Octombrie 2009, Iaşi, Romania pag. 409-414, ISBN vol.I: 978-606-520-617-5, 1/4 - 0,25 pct
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director proiect - AniConFilm, 19/2018 - 'Tehnologia de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabile sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale' - finanţat prin Program PN III - Cooperare Europeană și Internațională - Subprogram 3.2 - Orizont 2020, Tip Proiect - ERANET, COFUND-MANUNET III-AniConFilm-2 (Buget total - 388.270 lei) 40*(388.270/100.000)*30%=46,56 puncte 2. Membră în echipa de implementare a proiectului 'Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions', DaWetRest, Contract nr. 101113015/2023, din cadrul HorizonEurope, finanţat prin CE HORIZON Action Grant Budget-Based, (Buget total - 88062,5 euro), 40*(437.089/100.000)*30%=52,44 puncte 3. Grant pentru susținerea capacității de publicare, grant intern GI/P10/2021, (Buget total - 45.000 lei), 40*(45000/100.000)*10%=1,80 puncte 4. Grant pentru idei de proiect, grant intern GI/P1/2021_IDEI, (Buget total - 40.000 lei), 40*(40000/100.000)*10%=1,60 puncte 5. Membră în echipa de implementare a proiectului 'Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane' (MINaFBioS), PN III - ERANET, MANUNET-III, Contract nr. 149/2020, 40*(432250/100.000)*5%=8,64 puncte 6. Membră în echipa de implementare a proiectului 'Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor' (INTREPIDUS), PN III ERANET-EURONANOMED, Contract nr. 193/2020, 40* (5357000/100.000)*5%=10,7 puncte

	7. Membră în echipa de implementare a proiectului 'Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi', (CARBIOSENSE), Programul MANUNET ERANET, Contract nr. 7-038/13.05.2011, 40* (381.282,62/100.000)*10%=15,24 puncte 8. Director/Responsabil proiect partener proiect 'Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice', Programul Operaţional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei, 30* (580000/100.000)*10%=17,40 puncte 9. Director/Responsabil proiect partener proiect 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei, 30* (448.605/100.000)*10%=13,44 puncte 10. Membră în echipa de implementare a proiectului 'Sisteme software cu arhitecturi versatile de management al energiei și de optimizare a indicatorilor de performanță energetică a clădirilor inteligente, dezvoltate în cadrul clusterului euronest IT&C HUB', Programul Operaţional Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei, 30*(4.474.125/100.000)*10%=134,22 puncte 11. Membră în echipa de implementare a proiectului 'Mitigarea riscului pentru sănătatea publică privind contaminanții biochimici ai ambalajelor farmaceutice și alimentare reciclate printr-o nouă metodologie bazată pe analiza spectrală în domeniul THz (THzPET)', PN-III-P2-2.1-657PED/2020, durată 18 luni, buget 250.000 lei, 30* (250000/100.000)*2%=1,5 puncte 12. Membră în echipa de implementare a proiectului 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 636/16.03.2020, My SMIS 105725, durată 15 luni, buget 630.199 lei, 30* (630.199/100.000)*5%=9,45 puncte 13. Membră în echipa de implementare a proiectului 'Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală', Programul Operaţional Competitivitate, Contract subsidiar nr. 8733/05.12.2019 - 659/06.12.2019, My SMIS 105689, durată 32 luni, buget 900.000 lei, 30*(900.000/100.000)*5%=13,50 puncte 14. Membră în echipa de implementare a proiectului 'Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro- adaptabili', 4DPrintEN, Proiect cod COFUND - ERANET MANUNET III, Contract de finantare nr. 96/01.06.2019, durată 24 luni, buget 468.100 lei, 30*(468.100/100.000)*2%=2,80 puncte 15. Membră în echipa de implementare a proiectului . Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie, Programul Operaţional Competitivitate, Contract subsidiar nr. 370/20.02.2019, My SMIS 105726, durată 24 luni, buget 880.000 lei, 30*(880.000/100.000)*10%=26,40 puncte 16. Membră în echipa de implementare a proiectului Reciclarea avansata integrata a deseurilor combinate inseparabile de mase plastice si hartie, nereciclabile prin tehnologiile actuale, Programul Operaţional Competitivitate, Contract subsidiar nr. 366/11.09.2017 - 15351/13.09.2017, My SMIS 105581, durată 24 luni, buget 900.000 lei, 30*(900.000/100.000)*5%=13,50 puncte 17. Membră în echipa de implementare proiectului 'Cercetare-dezvoltare de materiale compozite inovative nanostructurate, activabile in camp de radiofrecventa si de microunde, pentru tehnologii reversibile de asamblare cu aplicatii intersectoriale', Programul Operaţional Competitivitate, Contract nr. 119/16.09.2016, ID P_37_757, My SMIS 104089, durată 48 luni, buget 11.140.371 lei, 30*(11.140.371/100.000)*10%=334,20 puncte, 18. Membră în echipa de implementare a proiectului Realizarea inovativă de produse compozite termoplastice cu

	proprietăţi superioare de ecranare electromagnetică prin reciclarea integrată a deşeurilor electronice, (RECEMAT), Programul Operaţional Sectorial Creşterea Competitivităţii Economice, Axa Prioritară 2 – Competitivitate prin CDI, Contract nr. 460/03.04.2013, ID 1372/SMIS 41074, durată 26 luni, buget 3.498.500 lei, 30*(3.498.500/100.000)*10%= 104,94 puncte 19. Director/Responsabil proiect partener proiect 'Dezvoltarea de materiale compozite ceramice geopolimerice, din deseuri industriale, cu proprietati superioare de ecranare electromagnetica si termica, pentru constructii speciale', Programul EUREKA-EUROSTARS- NEWCOMAT, Contract 316E/15.05.2012, durată 19 luni, buget 367.710 lei, 30*(367.710/100.000)*5%=5,50 puncte 20. Membră în echipa de implementare a proiectului FEVAL, 308E/19-08.2011– "Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „green building concept"- finanţat prin Programul EUREKA (Buget total - 390.074 lei), 30*(390.074/100.000)* 5%=5,85 puncte

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Asiminicesei (Neacşu) Oana-Maria Conf. dr. ing.	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Constantin Sărmășanu – coordonator-Seria: Antreprenoriat pentru ingineri și arhitecți, Coordonator Vol.3 Oana-Maria Asiminicesei-Afaceri digitale – Capitole: Capitolul 1- Oana-Maria Asiminicesei, – pag.14-pag.39 (25 pagini), Capitolul 2- Oana-Maria Asiminicesei – pag.40-pag.46 (6 pagini). Capitolul 3- Oana-Maria Asiminicesei- pag.47- pag.59 (12 pagini), Capitolul 10- Oana-Maria Asiminicesei – pag.199- pag. 207 (8 pagini), Capitolul 11- Oana-Maria Asiminicesei – pag.208- pag. 220 (12 pagini), Capitolul 11- Oana-Maria Asiminicesei – pag.221- pag. 238 (17 pagini), Capitolul 14- Oana-Maria Asiminicesei, Sebastian-Teodor Arădoaie- Editura Performantica, 2022, ISBN 978-606-685-932-5, pag.258- pag. 308 (50 pagini) 2. Andrei Marinescu-Editor, Electromagnetic Compatibility/ Electromagnetic Field. Research and Development in Romania, Ed. A.G.I.R., 2014, Electrical-Power Engineering Series, ISBN-978- 973-720-521-6.- Chapter- A. Salceanu, E. Lunca, O. Beniuga, O. Neacsu, S. Ursache- "Works and Walks in ESD, developed at the Faculty of Electrical Engineering"- pp.112-118.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. MA Olariu, C Hamciuc, OM Neacsu, E Hamciuc, L Dimitrov- " Microwave dielectric properties of polyimide composites based on tio 2 nanotubes and carbon nanotubes." Digest Journal of Nanomaterials and Biostructures, Vol. 14, No. 1, January - March 2019, p. 37 – 44, factor de impact-0,638 2. O.M. Neacşu, O.Beniuga, A. Sălceanu – „Assessment on electric chargespollution in the residential area and laboratory environment", Environmental Engineering and Management Journal, Martie 2012, Vol. 11, No. 3, pg. 635-640 – factor de impact: 1.43 3. Marius Valerian Paulet, Alexandru Salceanu, Oana Maria Asiminicesei, Constantin Dan Neagu- "Electric Field in the Vicinity of High Voltage Deviation Towers", Proceedings of the 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iași, 2020, pp, 452-456, DOI: 10.1109/EPE50722.2020.9305612, ISSN: 2471-6855, ISBN:978-1- 7281-8127-1

	4. Alexandru Salceanu, Marius Paulet, Bogdan Dumitru Alistar, Oana Asiminicesei- ”Upon the Contribution of Image Currents on the Magnetic Fields Generated by Overhead Power Lines”, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chișinău, pag 1-6, IEEE Explore 5. A.C. Podaru, V. David., O.M. Neacșu. „Comparison between electrocardiographic and photoplethysmographic peaks intervals” 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements Volume 2017-September, 2017, Pages 234-238, Code 134087, Indexata Scopus 6. M.V.Paulet, A. Sălceanu, O.M. Neacșu - „Ultrasonic radar”, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 551-554, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge 7. S Ursache, A Salceanu, O.M. Neacșu –“Indoor and outdoor measurements of the low frequency magnetic fields in an urban area” Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 376-379, ISBN: 978-1-5090- 6128-0, ISI Web of Knowledge. 8. A. Salceanu, E. Lunca, O.M. Neacșu, Fanel Iacobescu- „Assessing the close field non-ionizing emissions of PC-monitors” Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, pag. 592-597, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge 9. S. Ursache, A. Sălceanu, O.M. Neacșu, -„Indoor and Outdoor measurements of the low frequency magnetic Fields in an Urban Area”, Proceedings of the 2016 International Conference and Exposition on Electrical and Power Engineering, Iasi 2016, Pag. 376-379, ISBN: 978-1-5090-6128-0, ISI Web of Knowledge 10. S. Ursache, A. Sălceanu and O.M. Neacșu, „Measuring the electric and magnetic fields associated with the electrostatic discharges”, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 4, 2015, Index Copernicus, get CITED, Ulrich's 11. M.V. Păuleţ, O.M. Neacșu, A. Sălceanu,” Secured access system based on the recognition of ecg characteristics”, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Tomul LXI (LXV), Fasc. 3, 2015, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, Indexata în Index Copernicus, getCITED, Ulrich's 12. O.M. Neacșu, M.V. Paulet, A. Salceanu, „Analysis of current pulse generated by electrostatic discharge simulator” Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4799-5848-1, pag.484-487, Indexat IEEE. 13. O.M. Neacșu, M.V. Paulet, A. Sălceanu - „Expanding the functionality of an EMF spectrum analyzer with self-performed near field probes”, Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4799-5848-1, pag. 784-788, Indexat IEEE 14. M.V. Paulet, O.M. Neacșu, A. Sălceanu-„Wireless Monitoring System of the Heart Rate”, Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4799-5848-1, pag 581-584, Indexat IEEE. 15. M. V. Paulet, O.M. Neacșu, Alexandru Salceanu -„Virtual Device for Recovering the Hand Functions”, Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4799-5848-1, pag. 577-580, Indexat IEEE 16. M. V. Paulet, O.M. Neacșu, A. Salceanu- „E-learning dedicated to the students of electrical engineering”, 8th International Symposium on Advanced Topics in Electrical Engineering, 23- 25 May 2013, Bucuresti, Romania, pp. 62 – 65,

	indexată IEEExplore. 17. O.M. Neacșu, O. Beniuga, A. Sălceanu – „Assessment on electric chargespollution in the residential area and laboratory environment", Environmental Engineering and Management Journal, Martie 2012, Vol. 11, No. 3, pg. 635-640 – factor de impact: 1.43 18. L. Bargan, O.M. Neacșu, O. Beniuga, A. Nicuta, P. Bicleanu - „Electrostatic Charging Control According to Surface Resistivity Based on Alternating Polarity Method „, P:2-1-9, Proccedings of EMC Europe 2012, International Symposium on Electromagnetic Compatibility, Rome, IEEExplore, ISSN:2325-0356, Print ISBN 978-1-4673-0718-5. 19. O.Beniuga, K. Kováč A. Sălceanu, O.M. Neacșu – "Time Domain Measurement of Magnetic Field Radiated by Electrostatic Discharge for Electromagnetic Pollution Assessment" - Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering, ISBN: 978-1-4673-1171-7, pp.632-635, BDI, IEEE Explore, 20. O.M. Neacșu, O. Beniuga, S. Ursache and M. P. –" Modelling and Analysis the Current Pulse Associated with Electrostatic Discharges", Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering ISBN: 978-1-4673-1171-7, pp.585-590, BDI, IEEExplore. 21. M. V. Paulet, O.M. Neacșu „Oscilloscope with PC interface to save and wireless transmission of data ", Proceedings of the 2012 International Conference and Exposition on Electrical and Power Engineering ISBN: 978-1-4673-1171-7October, 2012, Iasi, Romania, pp. 801 - 804, IEEExplore. 22. E. Luncă, S. Ursache, O.M. Neacșu" Graphical Programming Tools for Electrical Engineering Higher Education, International Journal of Online Engineering (iJOE), Vol. 7, Nr. 1, pp 19–24, ISSN 1861-2121, 2011 (indexată DBLP, DOAJ, Ulrich, EBSCO și INSPEC). 23. O. Beniugă, O.M. Neacșu, "Simulation schematic and graphic representation of human body model ESD", BDI (B+) - Buletinul Agir, Inginerie Electrica si Convertoare Energetice, An XVI, nr.4/2011, pg. 171-176, ISSN-L 1224-7928; 24. O. Beniugă, O.M. Neacșu, A. Sălceanu, "Aproaches on Pollutant Fields Associated to Electrostatic Discharge over the Working and Electronic Environment – Modelling and Simulation", BDI - Buletinul Ştiinţific al Universităţii "Politehnica" din Timişoara Seria Electronică şi Telecomunicaţii -Transactions on Electronics and Communications Tom 56(70), Fascicola 2, pg.3-6, 2011, ISSN 1583-3380; 25. O. Beniuga, O.M. Neacșu, "Electrostatic discharge e-field spectrum analysis and graphical interpretation", BDI (B+) – Buletinul Institutului Politehnic din Iasi Tomul LVII (LXI), FASC. 4, 2011, Electrotechnics, Energetics, Electronics, ISSN, 1223-8139 - PP.139-146; 26. O.M. Neacșu, O. Beniuga," Analysis of disturbing magnetic field associated with electrostatic discharges", (BDI- B+) - Buletinul Institutului Politehnic din Iasi Tomul LVII (LXI), FASC. 5, 2011, Electrotechnics, Energetics, Electronics, ISSN 1223-8139 - PP. 93-101 27. A. Salceanu, O.M. Neacșu, M.Paulet and L.Toma – "On the addition of the laboratory accreditation procedures in the engineering curricula,; "The 5th International Seminar on the Quality Management in Higher Education", ISBN 978-973-730-469, 2008, Tulcea, pag.363- 366. 28. S. Ursache, A. Sălceanu and O.M. Neacșu, „Measuring the electric and magnetic fields associated with the electrostatic discharges", BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 4, 2015, Index Copernicus, get CITED, Ulrich's 29. Oana Maria Asiminicesei, Ramona Simionescu, Alexandra Abăceoae- "Studies about changing the labor market after covid-19 pandemic context", International Journal of Emerging Technologies and Innovative Research (www.jetir.org),

	ISSN:2349-5162, Vol.10, Issue 1, page no.a360-a364, January-2023, Available:http://www.jetir.org/papers/JETIR2301046.pdf, 30. M.V. Păuleţ, O.M. Neacșu, A. Sălceanu," Secured access system based on the recognition of ecg characteristics", BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tomul LXI (LXV), Fasc. 3, 2015, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, Indexata în Index Copernicus, getCITED, Ulrich's 31. O. Beniugă, O.M. Neacșu, "Simulation schematic and graphic representation of human body model ESD", BDI (B+) - Buletinul Agir, Inginerie Electrica si Convertoare Energetice, An XVI, nr.4/2011, pg. 171-176, ISSN-L 1224-7928; 32. O. Beniugă, O.M. Neacșu, A. Sălceanu, "Aproaches on Pollutant Fields Associated to Electrostatic Discharge over the Working and Electronic Environment – Modelling and Simulation", BDI - Buletinul Ştiinţific al Universităţii "Politehnica" din Timişoara Seria Electronică şi Telecomunicaţii -Transactions on Electronics and Communications Tom 56(70), Fascicola 2, pg.3-6, 2011, ISSN 1583-3380; 33. O. Beniuga, O.M. Neacșu, "Electrostatic discharge e-field spectrum analysis and graphical interpretation", BDI (B+) – Buletinul Institutului Politehnic din Iasi Tomul LVII (LXI), FASC. 4, 2011, Electrotechnics, Energetics, Electronics, ISSN, 1223-8139 - PP.139- 146; 34. O.M. Neacșu, O. Beniuga," Analysis of disturbing magnetic field associated with electrostatic discharges", (BDI- B+) - Buletinul Institutului Politehnic din Iasi Tomul LVII (LXI), FASC. 5, 2011, Electrotechnics, Energetics, Electronics, ISSN 1223-8139 - PP. 93- 101
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. O. Beniuga, O.M. Neacșu - „Virtual instrumentation system for remote reading of digital and analogical equipment display", 3rd World Conference on Information Technology, WCIT 2012, 14-16 Noiembrie 2012, Barcelona, Spania, Publicare în Proceedia of Technology; 2. O. Beniugă, O.M. Neacșu, A. Salceanu, R. Beniugă, "Evaluating the immunity of electronic devices under the action of electrostatic discharge in near field environment", Proceedings of International Conference on Innovative Technologies, 2011, pg.54-57, ISBN 987-80-904502- 6-4; 3. O.M. Neacșu, O. Beniuga – „Study about repeatability of discharging current generated by electrostatic discharge generator" Proceedings of the 8th International Conference on Electrochemical And Power Systems-SIELMEN 2011, Chşinau, 2011;, pp.172-178; 4. O.M. Neacșu, L. Bargan, C. Bratescu, B. Florean –„Testing magnetic fields radiated during an electrostatic discharge", The 6th International Conference on Electrical and Power Engineering, EPE 2010, Vol I, pp. 295-299, ISBN 978-606-13-0077-8, Iaşi. 5. O.M. Neacșu, L. Bargan, R. Burlacu, G. Viziteu–„Approach for measuring the electrostatic field associated with electrostatic discharge", The 6th International Conference on Electrical and Power Engineering, EPE 2010, Vol I, pp. 295-299, ISBN 978-606-13-0077-8, Iaşi. 6. V.Dafinescu, O.M. Neacșu –„Probleme şi soluţii în legătură cu interferenţele electromagnetice la nivel de circuit în aparatura medicală" Simpozionul Naţional de Bioinginerie medicală, Ediţia a XIII–a, pp 34, ISBN 978–606–8064–77–2, Facultatea de Bioinginerie Medicală, 2010, Iaşi. 7. N.C. Bâşcă, O.M. Neacșu, N. Manolică – "Considerations and measurements upon the repetability and traceability of ESD tests", The 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, Vol I, ISBN 978-606-

	520-618-2, Iaşi 2009, pag. 270-273; 8. N.C. Bâşcă, O.M. Neacşu, A. Stan –"Evaluation techniques for automotive ESD events", The 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, Vol I, ISBN 978-606-520-618-2, Iaşi 2009, pag. 274-277; 9. O.M. Neacşu, L.Toma and S.I. Ursache- Rendering the measurements of the near fields associated with ESD experiments, Bul. Inst. Polit. Iasi, Tomul LIV(LVIII), Fasc. 3, ISSN 1223-8139, 2008, Iaşi, pag. 393-398; 10. A.Salceanu, O.M. Neacşu and E. Luncă – "Study upon the influence of gun orientation and apllicationpoint in the immunity tests ", Bul. Inst. Polit. Iasi, Tomul LIV(LVIII), Fasc. 3, ISSN 1223-8139, 2008, Iaşi, pag. 221-226; 11. E. Luncă, V.David, A. Sălceanu and O.M. Neacşu – "Broadband magnetic field meter", Bul. Inst. Polit. Iasi, Tomul LIV(LVIII), Fasc. 3, ISSN 1223-8139, 2008 , Iaşi, pag. 387- 392; 12. L.Toma, M.V. Păuleţ and O.M. Neacşu – "Virtual filters for multirate signal processing in instrumentation," Bul. Inst. Polit. Iasi, Tomul LIV(LVIII), Fasc. 3, ISSN 1223-8139, 2008, Iaşi, pag. 375-380; 13. M.V. Păuleţ, O.M. Neacşu, L.Toma , M. Creţu – "Virtual laboratory" , Bul. Inst. Polit. Iasi, Tomul LIV(LVIII), Fasc. 3, ISSN 1223-8139, 2008, Iaşi pag. 369-374; 14. O.M .Neacşu, M.Cretu and A. Salceanu, "General aspect on electromagnetic pollution of the enviroment", Bul. Inst. Polit. Iasi, Tomul LII(LVI), Fasc. 5B, ISSN 1223-8139, 2006, Iaşi, pag. 852-857; 15. A. Sălceanu, E. Lunca and Oana Neacsu, "Meeting the recent requests originated by incoming edition of the EN 61000-4-2", Bul. Inst. Polit. Iaşi, Tomul LII(LVI), Fasc. 5B, ISSN 1223-8139, 2006, Iaşi, pag. 1075-1079;
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Manager de proiect - POSDRU/109/2.1/G/82350 - „Practica – paşi spre o carieră de succes", ID -82350, 2012-2013, valoare 2046305.00 lei 2. Director grant TD - 2007- „Cercetări privind controlul şi măsurarea poluării electromagnetice", cod CNCSIS 121, 2007-2008, valoare 23700 lei 3. Membru în echipa de cercetare- Proiect international ERANET-EURONANOMED nr. 193/2020: Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor, 2020- 2023, Valoare totală contract 432250 lei, director proiect. Romeo Ciobanu 4. Membru în echipa de cercetare Chemirezistor serigrafiat pe bază de MXenes electromanipulate cu ajutorul dielectroforezei pentru detecția compușilor organici volatili (COV) , 2022-2024, Valoare totală contract 450000lei, director proiect. Marius Olariu 5. Membru în echipa de cercetare- Proiect international- PNIII - ERANET, COFUND- MANUNET nr. 18/2018, "Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabila sub actiunea campului electromagnetic, pentru aplicații electronice și biomedicale- AniConFilm", Valoarea totală a contractului: 492100 lei. Valoarea contractului pe 2018- 220674 lei, Valoare pe 2019- 271426 lei, Membri ai echipei: 19. Durata proiectului: 01.04.2018 - 31.03.2020, 2 ani, Director Proiect Conf. Marius Andrei Olariu, (medie grant TUIASI: 2018- 73260 lei) 6. Membru în echipa de cercetare- Proiect international PNIII - ERANET, COFUND- MANUNET, nr. 22/2018, "Sistem de sortare a deșeurilor de constructii si demolari (DCD) bazat pe robotică avansată (STEWART)", Valoarea totală a contractului:

	485137 lei, 2018- 180674 lei, 2019-304463 lei. Membri ai echipei: 16, Durata proiectului: 01.04.2018 - 31.03.2020, Director de Proiect- Prof. Romeo Ciobanu, (medie grant TUIASI: 2018- 73260 lei)â 7. Membru în echipa de cercetare- Proiect international - PNIII - ERANET, COFUND- MANUNET, nr. 17/2018, ”Îmbunătățirea tehnologiilor de printare pentru fabricarea economica a sistemelor de analiză tip Point of Care” (PRIN TPoC), Valoarea totală a contractului: 382700 lei, Valoare 2018- 178012 lei, Valoare 2019- 204688 lei, Membri ai echipei: 17. Durata proiectului: 01.04.2018 - 31.03.2020, 2 ani, Director de Proiect- Prof. Cristina Schreiner, (medie grant TUIASI: 2018- 73260 lei), Membru în echipa de cercetare (5%) 8. Membru în echipa de cercetare-”Platforma microfluidică de tipul Lab-on-chip pentru detecția celulelor tumorale circulante (CTC) concentrate prin dielectroforeză- magnetoforeză și analizate prin spectroscopie dielectrică și de impedanță electrochimică”-ucellDetect, Contract 3PCCDI din 01/03/2018, Valoare Proiect 5.287.500,00 lei, Durata Proiect 1.03.2018-31.12.2012 9. Membru în echipa de cercetare – Proiect international Era Net Cofund, Titlul:” Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE)”, Contract 83/2016, Valoare proiect: 710.968,5 lei, Durata: 01.06.2016 - 01.06.2018, 2 ani 10. Membru în echipa de cercetare – Proiect international Era Net, Titlul: ”Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice (HarvEnPiez)”, Valoare proiect: 447.750 lei. Contract 50/2016, Durata: 01.06.2016 - 01.06.2019, 3 ani 11. Membru în echipa de cercetare – Proiect international Era Net, Titlul:” Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC (INTCERSEN)”, Contract 9/2015, Valoare proiect: 468.000 lei., Durata: 02.11.2015 - 29.12.2017, 2 ani 12. Membru în echipa de cercetare – „Sistem de gestiune electronica a documentelor si fluxurilor de lucru din cercetare dezvoltare” - POS CCE-AXA II COD SMIS-CNSR 2756, 2009, valoare 295.000 lei; 13. Membru în echipa de cercetare – „Retea wireless de senzori pasivi de hidrogen de tip flex- on-chip pe baza de olc-uri (onion-like carbon) manipulate cu ajutorul dielectroforezei- H2Sense” Valoare TUIASI 685792,00 - 2 ani. 14. Membru în echipa de cercetare – „Compozite nano-polimerice conductive cu arhitectura predefinită si proprietăţi dielectrice şi EMC personalizate (în domeniu GHz) dedicate ecranelor si panourilor absorbante pentru clădiri speciale” - NACOPAN MNT-/ERA NET/CNMP 7014/2008, 2008-2010, valoare 1.900.000 lei; 15. Membru în echipa de cercetare – „Filme ceramice subtiri nanoporoase din cristale zeolitice pe baza de siliciu pentru materiale cu constanta dielectrica redus” Capacităţi/ANCS/PN2 64/2008, 2008-2009, valoare 247364 lei; 16. Membru în echipa de cercetare – „Ecrane si panouri absorbante pentru utilizari speciale bazate pe compozite nano - structurale cu arhitectura predefinita si proprietati dielectrice si electromagnetice personalizate” Capacităţi/ANCS /PN2 63/2008, 2008-2009, valoare 106019 lei; 17. Membru în echipa de cercetare – „Metodologie dielectrica nedistructiva, neinvaziva, comparativa de detectare rapida a ingredientilor cu potential factor de risc pentru sanatate din produsele alimentare” PN2 Parteneriate / CNMP -51-015/14.09.2007, 2007-2010, valoare 2000000 lei 18. Membru în echipa de cercetare – “Noi metode şi tehnici biomagnetometrice de înaltă rezoluţie pentru investigare şi diagnosticare biomedicală” - BIOMAG PNCDI-CNMP- 5271P/2007, 2007-2009, valoare 100000 lei; 19. Membru în echipa de cercetare – „Noi metode şi tehnici biomedicale de investigare, diagnosticare si monitorizare neinvazivă cu radiaţii electromagnetice neionogene”- BIOELECTRA PNCDI-CNMP-5272P/2007, 2007-2009, valoare 100000

	lei; 20. Membru în echipa de cercetare – „Dezvoltarea conceptului de cladire generator-convertor de energie regenerabila, cu autonomie energetică ridicată şi acumulare în infrastructură şi sol”PNCDI-CNMP-5413P/2007, 2007-2009, valoare 100000 lei; 21. Membru în echipa de cercetare – „Spectroscopia dielectrica de banda larga, ca metoda comparativa, nedistructiva si neinvaziva de determinare a compusilor cu potential de risc din produsele alimentare” PN2 Idei / CNCSIS-320/2007, 2007-2008, valoare 100000 lei 22. Membru în echipa de cercetare – „ Remote instrumentation in next-generation grids” CORINT / CNMP 132/2007, 2007-2008, valoare 90160 lei; 23. Membru în echipa de cercetare – “BIOcompozite obtinute prin reciclarea deseurilor de PET si utilizarea de derivaţi ligno-celulozici “ CEEX M1/ MATNANTECH-79/2006, 2006-2008, valoare 1250000 lei; 24. Membru în echipa de cercetare – „Ecrane pentru constructii speciale bazate pe structuri chiral-fagure” CEEX M1/ MATNANTECH 46/2006, 2006-2008, 1200000 lei; 25. Membru în echipa de cercetare – „Materiale inteligente tip Chiral-Fagure pentru aplicatii multisectoriale (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii speciale)” CORINT / CNMP-115/2006, 2006-2008, valoare 659383 lei; 26. Membru în echipa de cercetare – „Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul sistemelor virtuale si distribuite de design si management al cercetarii” CEEX M3 / CNMP-188/2006, 2006-2008, valoare 200000 lei; 27. Membru în echipa de cercetare – „Dezvoltarea parteneriatelor C?D prin includerea excelentei Romanesti, in vederea promovarii de proiecte comune in domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electromagnetice in domeniul GHZ”-CEEX M3 / CNMP 202/2006, 2006-2008, valoare 200000 lei; 28. Membru în echipa de cercetare - “Dezvoltatea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparative neinvazive si nedistructive de analiza a calitatii si sigurantei alimentelor”-FOOD-QUAL” CEEX M3 / CNMP-173/2006, 2006-2008, valoare 200000 lei; 29. Membru în echipa de cercetare - “Dezvoltarea capacitatii de integrare a Romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparative neinvazive si nedistructive de analiza a calitatii si securitatii alimentelor” CEEX M3 / CNMP 179/2006, 2006-2008, valoare 200000 lei; 30. Membru în echipa de cercetare - „Susţinerea integrării cercetării româneşti în domeniul poluării electromagnetice în reţele, programe şi parteneriate europene de profil (INT-€- EMP)” CEEX-M3- CNMP-226/2006, 2006-2008, valoare 200000 lei; 31. Membru în echipa de cercetare – “Metode si tehnici neinvazive cu microunde pentru detectia timpurie a cacerului de san”-CANCERDET CEEX-M1, ASM contract 20/2005,subcontract 8/2005, 2005-2008, 50000 lei;

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Astanei G. Dragoş – George **Conf. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)** 1. Dragos Astanei, Double spark plug based ignition system, LAP Lambert Academic Publishing, Chişinău, Republica

	Moldova, 2022, ISBN: 978-613-9-47344-1, 215 pag
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. C.C. Rusu, D.E. Creţu, R. Burlică, D. Astanei, O. Beniugă, DBD system operating in ambient air for surface treatment of polyethylene terephthalate films, Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, acceptat spre publicare noiembrie 2022. 2. I.D. Dirlau, R. Burlica, D. Astanei, O. Beniuca, Effect of non-thermal plasma on molecular species formed in water based solution, Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, vol. 63(67), nr. 1, pp. 9 – 20, 2017 3. A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, Availability evaluation of nodal architectures using bayesian networks, Buletinul Institutului Politehnic din Iaşi, Secţia Electrotehnică, Energetică, Electronică, vol. 62(66), nr. 3 pp. 31 – 40, 2016 4. Nemes C., Munteanu F., Astanei D., Analysis of grid-connected photovoltaic systemintegration on low-voltage distribution network, Journal of sustainable energy, vol. 7, nr. 1, pp. 9 – 14, 2016, ISSN 2067-5534. 5. Nemes C., Munteanu F., Astanei D., Annual Energy Harvest of LACARP Photovoltaic System, Acta Electrotehnica, vol. 56, nr. 3, pp. 213 – 218, 2015, ISSN 2344 – 5637. 6. D. Astanei, S. Pellerin, B. Hnatiuc, F. Faubert, N. Cerqueira, M. Ursache, Etude d'une bougie à double étincelle pour la combustion propre, Journal National de la Recherche en IUT – JNRIUT, vol. 4, pp. 51-63, 2013, ISSN 2107-5549. 7. D.G. Astanei, S. Pellerin, B. Hnatiuc, E. Hnatiuc, The study of the electrical parameters and the exhaust gas analysis for a double spark plug, Annals of the University of Craiova, Electrical Engineering Series, pp. 47 – 52, vol. 35, 2011, ISSN 1842-4805.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. C.R. Beniugă, B.A. Pingescu, O.C. Beniugă, A. Dragomir, D.G. Astanei, R. Burlică, Photovoltaic Panel System with Optical Dispersion of Solar Light for Greenhouse Agricultural Applications, AgriEngineering, vol. 7, issue 4, art. no. 7040125, 2025, factor de impact (2023) 3,0 – Q2 2. E. G. Acar, D. Doganoz, D. Çavdar, F. Karbancioglu-Guler, R. Burlica, D. Astanei, M.-A.Olariu, G. Gunes, Efficacy of Atmospheric Non-thermal Plasma Corona Discharge Under Dry and Wet Conditions on Decontamination of Food Packaging Film Surfaces, Packaging Technology and Science, vol. 37, issue 12, pp. 1121-1130, 2024, WOS: 001297514900001, factor de impact (2023) 2,8 – Q2. 3. M.A. Olariu, R. Herrero, D.G. Astanei, L. Jofré, J. Morentin, T.A. Filip, R. Burlica, Improving Printability of Polytetrafluoroethylene (PTFE) with the Help of Plasma Pre-Treatment, Polymers, vol. 15, issue 16, Art. number 3348, 2023, WOS: 001056759800001, factor de impact (2023) 4,7 – Q1. 4. S. Padureanu, R. Burlica, V. Stoleru, O. Beniuga, D. Dirlau, D.E. Cretu, D. Astanei, A. Patras, Non-Thermal Plasma-Activated Water: A Cytogenotoxic Potential on Triticum aestivum, Agronomy, vol 13, issue 2, Art. number 459, 2023, WOS: 000938080900001, factor de impact (2023) 3,3 – Q1. 5. A. Mandici, C. Rosu, R. Burlica, D.E. Cretu, D. Astanei, O. Beniuga, D.C. Topa, T.G. Aostacioaei, A. Miron, Effects of non-thermal plasma activated water and low temperature on wheat sprouts: a focus on photosynthetic pigments, protein and phenolic contents, antioxidant activity, antioxidant and prooxidant enzymes activity, Farmacia, Vol. 70 Issue 6, p1072-1080, 2022, WOS: 000969664100010, factor de impact (2023) 1,4 – Q4.

	6. A. Mandici, D.E. Creţu, R. Burlică, D. Astanei, O. Beniugă, C. Roşu, D.C. Topa, T.G. Aostăcioaiei, A.C. Aprotosoaie, A. Miron, Preliminary Study on the Impact of Non-Thermal Plasma Activated Water on the Quality of Triticum aestivum L. cv. Glosa Sprouts, Horticulturae, Vol. 8, issue 12, Art. number 1158, 2022, WOS: 000902486600001, factor de impact (2023) 3,1 – Q1. 7. R. Burlica, D.E. Creţu, O. Beniugă, D. Astanei, Nonthermal Plasma Multi-Reactor Scale-Up Using Pulse Capacitive Power Supplies, Applied Sciences – Basel, vol. 12, issue 20, Art. number 10403, 2022, WOS: 000872282100001, factor de impact (2023) 2,5 – Q1. 8. I. Stoica, R.M. Albu, C. Hulubei, D. Astanei, R. Burlica, G.A.M. Mersal, T.A.S. Elnasr, A.I. Barzic, A.Y. Elnaggar, A New Texturing Approach of a Polyimide Shielding Cover for Enhanced Light Propagation in Photovoltaic Devices, Nanomaterials, vol. 12, issue 18, Art. number 3249, 2022, WOS: 000857761200001, factor de impact (2023) 4,4 – Q2. 9. D. Astanei, R. Burlică, D.E. Creţu, M. Olariu, I. Stoica, O. Beniugă, Treatment of Polymeric Films Used for Printed Electronic Circuits Using Ambient Air DBD Non-Thermal Plasma, Materials, vol. 15, issue 5, art. number 1919, 2022, WOS:000771429600001, factor de impact (2023) 3,1 – Q1. 10. M. Wartel, F. Faubert, I.D. Dirlau, S. Rudz, N. Pellerin, D. Astanei, R. Burlica, B. Hnatiuc, S. Pellerin, Analysis of plasma activated water by gliding arc at atmospheric pressure: Effect of the chemical composition of water on the activation, Journal of Applied Physics, vol. 129, issue 23, Art. number 233301, 2021, WOS:000661619600014, factor de impact (2023) 2,7 – Q2. 11. R. Burlică, D. Astanei, D.E. Cretu, D. Dirlau, O. Beniuga, S. Padureanu, V. Stoleru, A. Patras, Non-thermal plasma T-shaped reactor for activated water production, Environmental Engineering and Management Journal, vol. 20, issue 3, pp. 397-404, 2021, WOS:000637746900009, factor de impact (2023) 0,9 – Q4. 12. V. Stoleru, R. Burlică, G. Mihalache, D. Dirlau, S. Padurean, G.C. Teliban, D. Astanei, A. Cojocaru, O. Beniuga, A. Patras, Plant growth promotion effect of plasma activated water on Lactuca sativa L. cultivated in two different volumes of substrate, Scientific Reports (Nature), vol. 10, issue 1, Art. number 20920, 2020, WOS:000608975400032, factor de impact (2023) 3,8 – Q1. 13. D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, Evaluation of the Efficiency of a Double Spark Plug to Improve the Performances of Combustion Engines: Pressure Measurement and Plasma Investigations, Plasma Chemistry and plasma processing, vol. 40 (1), pp. 283-308, 2020, WOS:000493677200002, factor de impact (2023) 2,6 – Q2. 14. R. Burlică, I.D. Dirlau, D. Astanei, Non-thermal plasma mini-reactors for water treatment, Environmental Engineering and Management Journal, vol. 18, nr. 8, pp. 1799-1807 2019, WOS:000482576500020, factor de impact (2023) 0,9 – Q4. 15. V. Popescu, D. Astanei, R. Burlica, A. Popescu, C. Munteanu, F. Ciolacu, M. Ursache, L. Ciobanu, A. Cocean, Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics, Journal of Cleaner Production, vol. 232, pp. 451-461, 2019, WOS:000477784000042, factor de impact (2023) 9,8 – Q1. 16. D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, M. Wartel, A New Spark Plug to Improve the Performances of Combustion Engines: Study and Analysis of Unburned Exhaust Gases, Plasma Chemistry and plasma processing, vol. 38 (5), pp. 1115-1132, 2018, WOS:000440061900013, factor de impact (2023) 2,6 – Q2. 17. Marius Ursache, Bogdan Hnatiuc, Eugen Hnatiuc, Dragoş Astanei, Jean-Louis Brisset, Radu Burlica, Direct and delayed degradation of azorubin (E122) by gliding arc discharges, Environmental Engineering and Management Journal, vol. 14, issue 11, pp. 2737 – 2746, 2015, WOS:000369099900026, factor de impact (2023) 0,9 – Q4. 18. B. Hnatiuc, D. Astanei, S. Pellerin, N. Cerqueira, M. Hnatiuc, Diagnostic of plasma produced by a spark plug at

athmospheric pressure: reduced electric field and rotational – vibrational temperatures, Contributions to Plasma Physics Journal, vol. 3, issue 8, pp. 712 – 723, 2014, WOS:000341707500003, factor de impact (2023) 1,3 – Q3.

19. B. Hnatiuc, S. Pellerin, E. Hnatiuc, R. Burlica, N. Cerqueira, D. Astanei, Spectroscopic diagnostic of transient plasma produced by a spark plug, Romanian Journal of Physics, vol. 56 S, pp. 109 – 113, 2011, WOS:000295495500017, factor de impact (2023) 1,2 – Q3.

Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)

1. B.-A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, C. R. Beniugă, R. Burlică, High conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 616-619, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758144
2. A. Dragomir, M. Adam, D.-G. Astanei, B.-A. Pingescu, A.-D. Paizan, A. Bodoga, Digital Communication Capabilities of Low Voltage Circuit Breakers, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 176- 181, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758137
3. O. C. Beniugă, C. R. Beniugă, D. G. Astanei, R. Burlică, Thermostat Behavior Analysis in Smart Home Environment Using Petri Nets, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 390-393, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758167
4. B. Pingescu, D. Astanei, R. Burlică, V.D. Asmarandei, O.B. Beniugă, V. Gheorghe, Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 632-635, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758134
5. T. A. Filip, I. Turcan, C.-C. Simota, D. G. Astanei, M. A. Olariu, "Fabrication and Preliminary Evaluation of Flexible Screen-Printed Resistive Voltage Divider", Proc. Of 2023 International Conference on Engineering and Emerging Technologies (ICEET), pp. 1-4, 27-28 oct. 2023, Istanbul, Turkiye, DOI: 10.1109/ICEET60227.2023.10526109
6. C.-C. Rusu, D. Astanei, R. Burlică, D.-E. Creţu, O. Beniugă, "Rotary DBD Plasma Reactor for Inline Treatment of Polymeric Substrates", Proc. of. 2023 10th International Conference on Modern Power Systems (MPS), pp. 1-4, June. 2023, Cluj-Napoca, Romani, DOI: 10.1109/MPS58874.2023.10187433
7. D.-E. Cretu, C.-C. Rusu, D. Astanei, R. Burlica, O. Beniuga, Assessment of HV Power Supply Efficiency in Plasma Activated Water Production, Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959831
8. D.-E. Cretu, S. Pellerin, R. Burlica, M. Wartel, D. Astanei, F. Faubert, Influence of Water Injection Technique in an Argon NTP System Used for PAW Generation, Proc. of the 2022 International Conference and Exposition on Electrical and Power Engineering, 20-22 oct. 2022, Iasi, Romania, DOI: 10.1109/EPE56121.2022.9959849
9. D.-E. Cretu, C.-C. Rusu, R. Burlica, O. Beniuga, D. Astanei, D. Tesoi, DBD Non-Thermal Plasma Used on Surface Treatment of Polymeric Film for Food Packaging, Proc. of the 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), pp. 454-457, 6-8 oct. 2021, Iasi, Romania, DOI: 10.1109/SIELMEN53755.2021.9600314.
10. D.E. Creţu, R. Burlică, O. Beniugă, D. Astanei, C.-C. Rusu, D. Tesoi , Surface Treatment of Polyethylene Terephthalate Film Using a DBD Non-Thermal Plasma Reactor, Proc. of the 2021 International Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 364-367, 2-3 sept. 2021, Braşov, Romania, 10.1109/OPTIM-ACEMP50812.2021.9590058.
11. I. C. Felea, E. Hnatiuc, D. Astanei, Characterization of Cold Plasma Glidarc Reactors, Proc. of the 2021 International

	Aegean Conference on Electrical Machines and Power Electronics (ACEMP) & 2021 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 351-357, 2-3 sept. 2021, Braşov, Romania, DOI: 10.1109/OPTIM-ACEMP50812.2021.9590073 12. D.-E. Crețu, Ș. Ciauşu, R. Burlică, D. Astanei, O. Beniugă, D. Teşoi, Electromagnetic Field Radiation Generated by Dielectric Barrier Discharge, Proc. of the 2021 9th International Conference on Modern Power Systems (MPS), pp. 1-6, 16-17 iun. 2021, Cluj-Napoca, Romania, DOI: 10.1109/MPS52805.2021.9492635 13. D.E. Crețu, D. Astanei, R. Burlică, O. Beniugă, D. Teșoi, The Influence of NTP Reactor Geometry on H2O2 Generation in Water, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305678 14. D Teșoi, D-E Crețu, O Beniugă, R Burlică, D. Astanei, M Olariu, DBD Plasma in Air Reactor for Polymeric Surfaces Treatment, Proc. of the 2020 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305586 15. M. Adam, M. Andrusca, A. Dragomir; D. Astanei; R. Burlica, Technical Condition Monitoring of Impedance Bonds using Sensors and Dedicated Device, Proc. of the 2018 International Conference and Exposition on Electrical and Power Engineering, 22-23 oct. 2020, Iasi, Romania, DOI: 10.1109/EPE50722.2020.9305673 16. B. Hnatiuc, A. Sabau, D. Astanei, Classic spark simulation using COMSOL software, proceedings of 7th ModTech International Conference - Modern Technologies in Industrial Engineering, June 19-22, 2019, Iaşi, Romania, WOS:000562929900050 17. D. Astanei, D. Crețu, R. Burlică, ID Dirau, O. Beniugă, S. Pellerin, M. Wartel, Voltage Polarity Influence on NTP Energy Efficiency of Point-to-Point Reactor, proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 263, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500116 18. D. Astanei, R. Burlică, D. Crețu, ID Dirau, G. Urmă, B. Hnatiuc, Capacitive Power Supply for Double Spark Plug Ignition System, proceedings of 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), art. number 264, Oct 9 – 11, 2019, Craiova, Romania, WOS:000630287500035 19. O. Beniugă, I.D. Dirlău, D. Astanei, R. Burlică, Electromagnetic field radiation generated by pulsed non-thermal plasma discharge, proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900065 20. D. Crețu, R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, Energy Efficiency Evaluation of HV Power Supplies for Non-Thermal Plasma Generation, proceedings of 8th International Conference on Modern Power Systems (MPS 2019), pp. 1 – 4, 21-23 mai, 2019, Cluj-Napoca, Romania, WOS:000612401900058 21. A. Dragomir, M. Adam, M. Andrusca, D. Astanei, L. Andruşcă, C. Dumitrescu, About Some Connection Modes of the Current Conducting Paths, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 357 – 360, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200067 22. S. Pădureanu, V. Stoleru, A. Patraş, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, Effect of Non-Thermal Activated Water on Lactuca Sativa L. Germination Dynamic, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 889 – 892, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200173 23. O. Beniugă, ID Dirlau, D. Astanei, R. Burlică, Temperature influence in Direct Green 26 dye degradation rate with non-thermal plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 391 – 394, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200074

	24. M. Andruşcă, M. Adam, A. Dragomir, D. Astanei, L. Andrusca, About Monitoring of Medium Voltage Circuit Breakers with SF6, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 559 – 563, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200108 25. D. Astanei, R. Burlică, ID Dirau, M. Andruşcă, Ayrton Relation Applied for Medium Voltage AC Electrical Discharges, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 583 – 588, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200113 26. R. Burlică, D. Astanei, A. Dragomir, M. Adam, Overvoltage Differential Protection of Low Voltage Circuits, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 599 – 602, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200116 27. D. Astanei, ID Dirau, O. Beniugă, R. Burlică, C. Gouillou, , Evaluation of Reactive Species Produced in Water by GlidArc Plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 603 – 608, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200117 28. ID Dirau, O. Beniugă, R. Burlică, D. Astanei, Influence of Surface Gliding Discharges on Organic Pollutants from Aqueous Solutions, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 897 – 900, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200175 29. V. Stoleru, C. Stratulat, G. Teliban, S. Pădureanu, A. Patraş, R. Burlică, ID. Dirlau, D. Astanei, O. Beniugă, Morphological, Physiological and Productive Indicators of Lettuce under Non-thermal Plasma, proceedings of 2018 International Conference and Expozition on Electrical and Power Engineering (EPE 2018), pp. 937 – 942, Oct 18 – 19, 2018, Iaşi, Romania, WOS:000458752200183 30. D. Astanei, F. Munteanu, C. Nemes, A. Ciobanu, M. Ionescu, M. Adochitei, Light flicker detection using high-speed imaging, proceedings of 2017 International Conference on Modern Power Systems (MPS), June 6-9, 2017, Cluj-Napoca, Romania, WOS:000428462600076 31. C. Nemes, F. Munteanu, D. Astanei, A. Ciobanu, M. Adochitei, M. Larion, A correlation between photovoltaic system production and local solar resources, proceedings of 2017 14th International Conference on Engineering of Modern Electric Systems, EMES 2017, pp. 47-50, June 1-2, 2017, Oradea, Romania, WOS:000427085200011 32. A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, Data - Driven Bayesian networks for reliability of supply from renewable sources, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 84-89, May 25-27, 2017, Brasov, Romania, WOS:000426909600012 33. C. Nemes, F. Munteanu, D. Astanei, M. Larion, M. Adochitei, Voltage dips analysis for grid connections of dispatchable photovoltaic systems, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 783-788, May 25-27, 2017, Brasov, Romania, WOS:000426909600120 34. C.I. Felea, D. Astanei, Electrical characterization of the double crossing Glidarc reactor with cylindrical symmetry, proceedings of 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 1039-1044, May 25-27, 2017, Brasov, Romania, WOS:000426909600162 35. E. Hnatiuc, C.I. Felea, D. Astanei, Evaluation of electrical discharges useful power as main indicator for quality assessment for non-thermal plasma reactors, proceedings of 2017 International Conference on Optimization of Electrical and

	Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, pp. 1051-1056, May 25-27, 2017, Brasov, Romania, WOS:000426909600164 36. D. Astanei, C. Nemes, F. Munteanu, A. Ciobanu, Annual energy production estimation based on wind speed distribution, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 862 – 867, Oct 20 – 22, 2016, Iaşi, Romania, WOS:000390706300169. 37. C. Nemes, F. Munteanu, M. Rotariu, D. Astanei, Availability assessment for grid-connected photovoltaic systems with energy storage, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 908 – 911, Oct 20 – 22, 2016, Iaşi, Romania, WOS:000390706300177. 38. R. Burlica, D. Astanei, M. Andrusca, E. Hnatiuc, The dynamic behavior of electromagnetic plunger drivers for electrical apparatusses with contacts, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 139 – 142, Oct 20 – 22, 2016, Iaşi, Romania, WOS:000390706300030. 39. I.D. Dirlau, R. Burlica, D. Astanei, The effect of gas and solution flow rate on nitrates and H 2 O 2 generation in NTP discharges, proceedings of 2016 International Conference and Expozition on Electrical and Power Engineering (EPE 2016), pp. 462 – 465, Oct 20 – 22, 2016, Iaşi, Romania, DOI: WOS:000390706300093. 40. D. Astanei, M. Ursache, E. Hnatiuc, I. Stoica, B. Hnatiuc, C. Felea, Effects of GlidArc plasma treatment on metallic surface, Proc. of SPIE Vol. 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2016 (ATOM-N 2016), pp. 100103E-1 – 8, August 25, 2016, Constanţa, Romania, WOS:000391359600122. 41. B. Hnatiuc, J.L. Brisset, D. Astanei, M. Ursache, M. Mares, E. Hnatiuc, C. Felea, Evolutionof the construction and performances in accordance to the applications of non-thermal plasma reactors, Proc. of SPIE Vol. 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2016 (ATOM-N 2016), pp. 100103D-1 – 8, August 25, 2016, Constanţa, Romania, WOS:000391359600121 42. A. Ciobanu, F. Munteanu, C. Nemes, D. Astanei, Availability model of wind and solution to immunize the generators against short time perturbations, proceedings of 2016 International Symposium on Fundamentals of Electrical Engineering (ISFEE 2016), pp. 1 – 6, June 30 – July 2, 2016, Bucharest, Romania, WOS:000392434400018. 43. B. Hnatiuc, A. Sabau, C.L. Dumitrache, M. Hnatiuc, M. Cretu, D. Astanei, Changing the surface properties on naval steel as result of non-thermal plasma treatment, IOP Conf. Series: Materials Science and Engineering 145 (8), ModTech International Conference - Modern Technologies in Industrial Engineering IV, June 15-18, 2016, Iaşi, Romania, WOS:000396437600136. 44. D. Astanei, F. Munteanu, C. Nemes, S. Pellerin, B. Hnatiuc, Electrical Diagnostic of High Voltage Discharges Produced by a New Spark-Plug, proceedings of 13th IEEE International Conference on Engineering of Modern Electric Systems (EMES 2015), pp. 1 – 4, JUN 11-12, 2015, Oradea, Romania, WOS:000363815100001. 45. F. Munteanu, C. Nemes, D. Astanei, Power quality indices proposal for networks operating in sinusoidal and unbalanced conditions, proceedings of 2014 International Symposium on Fundamentals of Electrical Engineering (ISFEE 2014), pp. 1 – 6, November 28 – 29, 2014, Bucharest, Romania, WOS:000380570500021. 46. B. Hnatiuc, M. Hnatiuc, C. Petrescu, D. Astanei, Ignition modeling of a double sparking plug for internal combustion engines, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 226-230, October 16-18, Iaşi Romania, WOS:000353565300037. 47. M. Adochiţei, C. Harabagiu, D. Astanei, R. Burlică, A new solar energy converting system with vertical photovoltaic panels, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp.

	1129-1131, October 16-18, Iaşi Romania, WOS:000353565300205. 48. R. Burlică, E. Hnatiuc, D. Astanei, Fault current protection control by di/dt, proceedings of 8th IEEE International Conference and Expozition on Electrical and Power Engineering, EPE 2014, pp. 264-267, October 16-18, Iaşi Romania, WOS:000353565300042. 49. B. Hnatiuc, D. Astanei, S. Pellerin, M. Hnatiuc, F. Faubert, M. Ursache, Electrical Modeling of a Double Spark at Atmospheric Pressure, proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1005-1010, May 22-24, Braşov, Romania, WOS:000343551300147. 50. D. Astanei, M. Ursache, I. Stoica, E. Hnatiuc, R. Munteanu, R. Burlica, Zirconium and Titanium Surface Treatment Using Non-Thermal Plasma for Dentistry Applications, proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1024-1029, May 22-24, Braşov, Romania, WOS:000343551300150. 51. E. Hnatiuc, J-L. Brisset, M. Ursache, D. Astanei, C. Felea, New adjustment possibilities of the electrical discharge power for the non-thermal plasma reactors, proceedings of 14th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2014, pp. 1016- 1023, May 22-24, Braşov, Romania, WOS:000343551300149. 52. D. Astanei, B. Hnatiuc, S. Pellerin, N. Cerqueira, E. Hnatiuc, M. Ursache, Influence of the interaction surface between plasma and air/fuel mixture on the combustion process, proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 491-496, October 25-27, Iaşi, Romania, WOS:000324685300085. 53. M. Ursache, E. Hnatiuc, R. Burlica, D. Astanei, B. Hnatiuc, The influence of the dispersion flux on the connection transient regime for DC electromagnets, proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 172-177, October 25-27, Iaşi, Romania, WOS:000324685300036. 54. E. Hnatiuc, D. Astanei, M. Ursache, B. Hnatiuc, J-L. Brisset, A review over the cold plasma reactors and their applications, proceedings of 7th IEEE International Conference and Exposition on Electrical and Power Engineering, EPE – 2012, pp. 497-502, October 25-27, Iaşi, Romania, WOS:000324685300086. 55. D. Astanei, B. Hnatiuc, S. Pellerin, E. Hnatiuc, N. Cerqueira, A correlation between the rotational temperature and the electrical energy of a cold plasma type electrical discharge produced by a double spark-plug, proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1341 – 1345, Braşov, Romania, WOS:000398866700203. 56. E. Hnatiuc, V. Burlui, M. Ursache, D. Astanei, B. Hnatiuc, About the operation of the cold plasma GlidArc type reactors with rotary discharge and auxiliary electrodes, proceedings of 13th IEEE Conference on Optimization of Electrical and Electronic Equipment - OPTIM 2012, May 24-26, pp. 1353-1358, Braşov, Romania, WOS:000398866700205. 57. B. Hnatiuc, S. Pellerin, E. Hnatiuc, D. Astanei, M. Hnatiuc, Influence of electrical parameters on the diagnosis of plasma produced by a double spark plug, proceedings of XIXth Symposium on Physics of Switching Arc FSO 2011, pp. 217-220, September 5 - 9, Brno, Czech Republic, ISBN 978-163266006-0, WOS:000393239500041. 58. D. Astanei, F. Faubert, S. Pellerin, B. Hnatiuc, E. Hnatiuc, N. Cerqueira, Plasma volume and energy influences on the combustion efficiency using a new spark-plug, proceedings of 20th International Conference on Gas Discharges and their Applications (GD 2014), Orleans, France, pp. 594 – 597, 2014. 59. S. Bernard, S. Pellerin, P. Gillard, D. Astanei, Electric spark discharge in air characterization by following electrodes erosion, proceedings of 20th International Conference on Gas Discharges and their Applications (GD 2014), Orleans, France, pp. 626 - 629, 2014. 60. B. Hnatiuc, D. Astanei, S. Pellerin, N. Cerqueira, M. Hnatiuc, Double spark ignition system: spectroscopic diagnostic

	of the plasma, proceedings of 20th International Symposium on Plasma Chemistry ISPC 20, Philadelphia, USA, July 24 - 29, 2011.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. D. Astanei, Spark plug with double electrical discharge, Brevet nr. EPO39554400, decizie de acordare publicată în Buletinul European de Brevete nr. 2251 din data de 21.12.2022. 2. Brevet de invenţie – R. Burlică, D. Astanei, I.D. Dirlău, O. Beniugă, M. Andruşcă, M. Adam, Minireactor electrochimic cu plasma non-termica cu geometrie in forma de T pentru producerea apei activate, nr. RO134206(B1) 2024. 3. Cerere de brevet de invenţie – I.D. Dirlău, D. Astanei, O. Beniugă, R. Burlică, Minireactor conic cu plasmă non-termică pentru producerea apei activate, cu aplicaţii în agricultură, Cerere de brevet nr. RO133404A2 / 2017. 4. Cerere de brevet de invenţie – R. Burlică, D. Astanei, O. Beniugă, D.E. Creţu, C.C. Rusu, Dispozitiv cu plasma non-termica DBD-Corona pentru tratamentul substraturilor polimerice destinate ambalarii produselor alimentare, Cerere de brevet nr. RO137958(A2) / 2022. 5. Cerere de brevet de invenţie – R. Burlică, D. Astanei, O. Beniugă, M.A. Olariu, D.E. Creţu, Dispozitiv cu plasma non-termica DBD pentru tratamentul substraturilor polimerice destinate imprimarii circuitelor electronice flexibile, Cerere de brevet nr. RO137678 (A2) / 2022. **6.** Cerere de brevet de invenţie - R. Burlică, D.G. Astanei, O.C Beniugă, A. Dragomir, R. Beniugă, Sistem de panouri fotovoltaice cu dispersie optică a luminii solare pentru aplicaţii în agricultură, Cerere de brevet nr. A00557/ 2023.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director proiect Bio-tratament aplicat pe ambele suprafete ale foliei polimerice utilizata pentru impachetarea produselor alimentare utilizand plasma non-termica DBD-Corona, Proiect tip ERANET-MANUNET-III-PlasmaPack, nr. 214 / 2020, perioada 2020-2022 (24 luni). 2. Membru proiect Reactor cu plasma non-termica la presiune atmosferica pentru pre- tratamentul substraturilor polimerice utilizate in fabricarea circuitelor imprimate flexibile, proiect tip ERANET-MANUNET-III-Treatoflex, nr. 146 / 2020, perioada 2020-2022 (24 luni), director proiect prof.dr.ing. Radu Burlică 3. Director proiect Evaluarea apei activate produse de către diferite reactoare de plasmă non- termică, proiect tip PN-III-P3-3.1-PM-RO-FR, nr. 19BM / 2019, perioada 2019-2021 (30 luni). 4. Membru proiect Aplicarea unor descărcări electrice la înaltă presiune pentru obţinerea unei combustii de calitate, proiect tip Capacităţi – Modulul III, Cooperări bilaterale cu Franţa nr. 302/ 22.02.2009, 2009 – 2010 (membru echipa - 6 luni), director proiect prof.dr.ing. Bogdan Hnatiuc Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie naţională sau încheiate cu institute de cercetare, companii, regii, societăţi comerciale 5. Membru proiect Model experimental pentru demonstrarea fezabilitatii cresterii potentialului terapeutic al germenilor de grau prin tratarea acestora cu apa activata cu plasma non-termica (PAW), proiect tip PN-III-P2-2.1-PED-2019-0556, nr. 361PED / 2020, perioada 2020-2022 (24 luni), director proiect prof.dr.ing. Radu Burlică 6. Membru proiect Dezvoltarea institutionala a TUIASI prin cresterea vizibilitatii si a performantei cercetarii, (TUIASI-COMPETE), responsabil subproiect Sistem de aprindere cu eficientă ridicată bazat pe bujie dublă pentru reducerea emisiilor poluante din gazele de eşapament evacuate de motoarele cu ardere internă (HEDSIS), proiect tip PNCDI III – 9PFE/2018, perioada 2018-2020 (membru echipa - 18 luni), director proiect prof.dr.ing. Carmen Loghin 7. Membru proiect Sistem inteligent pentru managementul sarcinii consumatorilor rezidentiali alimentati din surse

	fotovoltaice, proiect tip PN III, P II – CI, nr. 145 CI/2017, perioada 2017- 2018 (6 luni), director proiect prof.dr.ing. Ciprian Nemeş **8.** Membru proiect Creşterea Producţiei Agricole în Sere Utilizând Irigarea cu Apă Activată cu Plasmă Rece, proiect tip PN III, P IV-PCE, nr. 15 / 12.07.2017, perioada 2017-2019 (30 luni), director proiect prof.dr.ing. Radu Burlică

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Băcăiţă Elena Simona **Conf. dr. fiz.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)** 1. M. Agop, D. Vasincu, D.Timofte, E. S. Bacaita, A. Agop, S. A. Irimiciuc, "Complex Systems with Self-Elimination of Dissipation with Implication in BioStructural Behavior Via Nondifferentiability" in Fractal Analysis - Applications in Health Sciences and Social Sciences, 23 pg., Intech Publishing House, Rijeka Croaţia, 2017, ISBN 978-953-51-3214-1 23 pg. format academic cu 36 randuri pe pagină, echivalente cu 27 pg. format academic cu 30 randuri/pag. 2. M. Agop, C. Buzea, S. Băcăiţă, A. Stroe, M. Popa, „Quantum Effects Through a Fractal Theory of Motion" in Advances in Quantum Mechanics, , 56 pg., Intech Publishing House, Rijeka Croaţia, 2013, ISBN 978-953-51-1089-7 56 pg. format academic cu 36 randuri pe pagină, echivalente cu 67 pg. format academic cu 30 randuri/pag 3. M. Agop, D. Magop, S. Băcăiţă, "Fractal hydrodynamic model and its implications" inNew developments in hydrodynamics research, , 52 pg., Nova Science Publishers Inc. New York, 2012, ISBN: 978-1-62081-223-5 52 pg. format academic cu 30 randuri pe pagină 4. I. Ionita, S. Băcăiţă, A. Antici, E. Poll, P.D. Ioannou, M. Agop, "An extended model of the scale relativity theory and its implications. Some properties of matter" inThe fractal and its implications in the material science, 30 pg., Athens University Press, 2008, ISBN: 978-960-92410-1-4 30 pg. format academic – 26 rânduri pe pagina, echivalent cu 26 pg. format academic - 30 rânduri pe pagină 5. M. Gartu, S. Băcăiţă, T. Dandu Bibiri, M. Agop, "Weyl-Dirac gravitation and fractal space-time" in The fractal and its implications in the material science, , 30 pg., Athens University Press, 2008, ISBN: 978-960-92410-1-4 30 pg. format academic – 26 rânduri pe pagina, echivalent cu 26 pg. format academic - 30 rânduri pe pagină 6. M. Agop, P. Vizureanu, S. Băcăiţă, C. Bahrim, "On the plasma-superconducting tube interaction by means of the electrical double layers" in Particles and Fields, , 9 pg., Athens University Press, 2005, ISBN 960-92410-0-X 9 pg. format academic – 42 rânduri pe pagina, echivalent cu 12 pg. format academic - 30 rânduri pe pagină 7. M. Agop, C. Stan, D. Alexandroaiei, S. Băcăiţă, "Quasistatic and dynamic properties of the DC or AC current driven double layers" in Particles and Fields, , 14 pg., 2005, Athens University Press, ISBN 960-92410-0-X 14 pg. format academic – 42 rânduri pe pagina, echivalent cu 19 pg. format academic - 30 rânduri pe pagină 8. S. Gurlui, M. Agop, M. Strat, G. Strat, S. Băcăiţă, "Experimental and theoretical investigations of the anode double layers" in Particles and Field, , 13 pg., 2005, Athens University Press, pp. 289-302, 2005, ISBN 960-92410-0-X 13 pg. format academic – 42 rânduri pe pagina, echivalent cu 18 pg. format academic - 30 rânduri pe pagină 9. M. Agop, S. Băcăiţă, Spatiul-timpfractalicsistraturiduble in plasme de descarcare, Editura Ars-Longa Iasi, ISBN: 978-973-8912-58- 8, 200 pg., 2007 200 pg. format academic – 23 rânduri pe pagina, echivalent cu 153pg. format academic - 30 rânduri pe pagină

	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. E. S. Băcăiță, F. Mocci, The influence of the starting structure and water model on the conformation transition of poly(n- isopropylacrylamide) thermoresponsive polymer - in silico studies, BuletinulInstitutuluiPolitehnic Iasi, 68(72), No. 2, 2022, doi: 10.2478/bipmf-2022-0007 2. S. Băcăiţă, C. Urîtu, M. Popa, A. Uliniuc, C. Peptu, M. Agop, Drug release kinetics from polymer matrix through the fractal approximation of motion, Smart Materials Research, article ID 264609, doi:10.1155/2012/264609, 2012. 3. M. Agop, D. Magop, E. S. Băcăiţă, Fractal Approximation of Motion and Its Implications in Quantum Mechanics, Open J. Microphysics, vol. 2, pp. 33-45, doi:10.4236/ojm.2012.23005, 2012 4. S. Băcăiţă, L. Ciobanu, M. Popa, A. Iancu, L. Eva, M. Agop, Non-linearities in cancer cells migration models, BuletinulInstitutuluiPolitehnic Iasi, LVIII(LXII), Fasc. 2, pp. 73-83, 2012 5. V. Radu, S. Băcăiţă, F. Brinza, B. Constantin, M. Agop, Fractal model of nucleation mechanism in the electrodeposition of copper,BuletinulInstitutuluiPolitehnic Iasi, LVIII(LXII), Fasc. 2, pp. 63-73, 2012. 6. S. Băcăiţă, V. Radu, F. Brinza, B. Constantin, M. Agop, Some implications of fractality in the dynamics of the electrodeposition processes, BuletinulInstitutuluiPolitehnic Iasi, LVIII(LXII), Fasc. 2, pp. 31-43, 2012. 7. F. Brinza, V. Radu, S. Băcăiţă, M. Agop, Chaos and self-structuring in electrode position processes, BuletinulInstitutuluiPolitehnic Iasi, LVIII(LXII), Fasc. 2, pp. 55-63, 2012. 8. S. Băcăiţă, M. Agop, O abordareteoretica a straturilordubleanodice, BuletinulInstitutuluiPolitehnic Iasi, LI (LV), Fasc. 3-4, pp. 103-108, 2005
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. E. S. Bacaita, D. M. Rață, A. N. Cadinoiu, V. Ghizdovăț, M. Agop, A. C. Luca, Drug release from nanoparticles (polymeric nanocapsules and liposomes) mimed through a multifractal tunneling-type effect, Polymers, 15(4), 1018, 2023, doi: 10.3390/polym15041018 2. E.S. Bacaita, C. A. Peptu, C. L. Savin (Logican), M. Lutcanu, M. Agop, Manifest/Non-manifest drug release patterns from polysaccharide based hydrogels – case study on cyclodextrin-kappa carrageenan crosslinked hydrogels, Polymers, 13(23), 4147, 2021, doi: 10.3390/polym13234147 3. C. A. Peptu, E.S. Bacaita, C. L. Savin (Logican), M. Lutcanu, M. Agop, Hydrogels based on alginates and carboxymethyl cellulose with modulated drug release – an experimental and theoretical study, Polymers, 13(24), 4461, 2021, doi: 10.3390/polym13244461 4. A. N. Cadinoiu, D. M. Rata, , L. I. Atanase, C. T. Mihai, S.E. Bacaita, M. Popa, Formulations based on drug loaded aptamer- conjugated liposomes as a viable strategy for the topical treatment of basal cell carcinoma – in vitro tests, Pharmaceutics, 13(6), 866, 2021, doi: 10.3390/pharmaceutics13060866 5. C. Mihalache, D. M. Rață, A. N. Cadinoiu, X. Patras, E.V. Sindilar, E. S. Bacaita, M. Popa, L. I. Atanase, O. M. Daraba, Bupivacaine - loaded chitosan hydrogels for topical anesthesia in dentistry, Polym. Int., 69(11), 1152-1160, 2020, doi: 10.1002/pi.6052 6. D.M.Rață, A. N. Cadinoiu,, L. I. Atanase, E. S. Bacaita, C. Mihalache, O. M. Daraba, D. Gherghel, M. Popa, In vitro behavior of aptamer-functionalized polymeric nanocapsules loaded with 5-fluorouracil for targeted therapy, Mater. Sci. Eng. C – Mater. Biol. Appl., 103, 109828, 2019, doi: 10.1016/j.msec.2019.109828 7. E. S. Bacaita, C.S. Stan, M. Agop, G. Cioca, Spectral properties of HEMA/poly(HEMA) as ligand in luminescent europium based complexes through computational investigation, Rev. Chim., 69(9), 2430-2434, 2018

	8. G. Cioca, M. Pinteala, E. S. Bacaita, I. Oprea, I. CrumpeiTanasa, S. R. Volovat, V. S. Dragan, S. Trocaru, C. Anton, Nonlinear behaviors in gene therapy theoretical and experimental aspects, Mater. Plast., 55(3), 340-343, 2018 9. G. Cioca, E.S. Bacaita, M. Agop, C. LupascuUrsulescu, Anisotropy influences on the drug delivery mechanisms by means of joint invariant functions, Comput. Math. Method Med., 2017, 5748273, doi: 10.1155/2017/5748273 10. A.Grigorovici, E.S. Bacaita, V.P.Păun, C. Grecea, I. Butuc, M. Agop, O.Popa, Pairs generating as a consequence of the fractal entropy: theory and applications, Entropy, 19(3), 128, 2017, doi: 10.3390/e19030128 11. E. S. Bacaita, M. Agop, A multiscale mechanism of drug release from polymeric matrices: confirmation through a nonlinear theoretical model, Phys. Chem. Chem. Phys., 18(31), 21809-21816, 2016, doi: 10.1039/c6cp022259f 12. L. Balaita, J. F. Chailanb, Xuan HoanNguyenc, S. Bacaita, M. Popa, Hybrid chitosan-gelatine magnetic polymer particles for drug release, J. Optoelectron. Adv. Mater., 16(11-12), 1463-1471, 2014 13. E. S. Bacaita, B. C. Ciobanu, M. Popa, M. Agop, J. Desbrieres, Phases in the temporal multiscale evolution of the drug release mechanism in IPN-type chitosan based hydrogels, Phys. Chem. Chem. Phys., 16(47), 25896-25905, 2014, doi: 10.1039/c4cp03389b 14. V. Radu, S. Băcăiţă, A. Uliniuc, M. Popa, S. Susanu, Fractal Hydrodynamic model for drug release processes from starch based hydrogels, Mater. Plast., 50(1), 18-22, 2013 15. A. Durdureanu-Angheluta, S. Băcăiţă, V. Radu, M. Agop, L. Ignat, C.M. Uritu, S.S. Maier, M. Pinteala, Mathematical modeling of the release profile of anthraquinone-derived drugs encapsulated on magnetite nanoparticles, Rev. Roum. Chim., 58(2- 3), 217-221, 2013 16. A. Uliniuc, T. Hamaide, M. Popa,S. Băcăiță, Modified starch-based hydrogels cross-linked with citric acid and their use as drug delivery systems for levofloxacin, Soft Mater., 11(4), 483-493, 2013, doi: 10.1080/1539445X.2012.710698 17. D. Magop, S. Băcăiţă, C. Peptu,M. Popa, M. Agop, Non-differentiability at mesoscopic scale in drug release processes from polymer microparticles, Mater. Plast., 49(2), 101-105, 2012 18. E. S. Băcăiţă, C. Bejinariu, B. Zoltan, C. Peptu, G. Andrei, M. Popa, D. Magop, M. Agop, Nonlinearities in drug release process from polymeric microparticles: long-time-scale behavior, J. Appl. Math., 653720, 2012, doi: 10.1155/2012/653720 19. M. Agop, D. Alexandroaiei, A. Cerepaniuc, S. Băcăiţă, El Naschie's epsilon((infinity)) space-time and patterns in plasma discharge, Chaos Solitons Fractals, 30(2), 470-789, 2006, doi: 10.1016/j.chaos.2005.11.072 20. S. Gurlui, M. Agop, M. Strat, G. Strat, S. Băcăiţă, A. Cerepaniuc, Some experimental and theoretical results on the anodic patterns in plasma discharge, Phys. Plasmas, 13(6), 063503, 2006, doi: 10.1063/1.2205195 21. S. Gurlui, M. Agop, M. Strat, G. Strat, S. Băcăiţă, Experimental and theoretical investigations of anode double layer, Jpn. J. Appl. Phys., 44(5A), 3253-3259, 2005, doi: 10.1143/JJAP.44.3253
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Preparation of photoluminescentaerogelused in lightingsource, involvespreparing carbon dot-basednanostructuredopedwith trivalent yttriumusingyytriumtrichlorideand N-hydroxysuccinimideandintroducingintopolymermatrix, C. S. Stan, P. Horlescu, M. Agop, C. A. Peptu, E. S. Băcăiță, RO133780, 2018
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

	1. Antitumoral theranostic platforms based on Carbon Dots and Polymer Matrices, PNIII nr. 37 PCCDI/2018, 2.115.000 lei – membruproiect 2. O nouăabordare a dispozitivelor de iluminateficiente energetic, bazată pe aerogeluriși Carbon dots, PN III/ 77PED/ 2017: 600.000 lei – membruproiect 3. Proiect de mobilitatepentrucercetători, PNIII/MC1154/ 2017: 22.000 lei – director proiect 4. Contract grant intern TUIASI – Publicații: GI /P13 /2021, 45.000 lei - director proiect **5.** Contract de cercetarepostdoctorala nr. 3720/28.02.2011, Studiul cineticiieliberărimedicamentelor din matricipolimereprindinamicaneliniara, UniversitateaTehnică "Gheorghe Asachi" din Iași, valoare contract: 101.520 RON, 2011

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Brînzilă V. Marius Ciprian **Conf. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Marius Branzila, Instrumentation and Virtual Library for Air Pollution Monitoring, capitol in cartea Air Pollution pp.241-264, Ed. Sciyo, Septembrie 2010, ISBN: 978-953-307-143-5 2. M. Branzila, C. Donciu, Distributed System Architecture Using a Prototype Web E-Nose pp. 1-16, capitol in cartea Advances in Biomedical Sensing, Measurements, Instrumentation and Systems din seria Lecture Notes in Electrical Engineering, vol.55, Ed. Springer, 2010, ISBN 978-3-642-05166-1 3. Marius Branzila, Sisteme senzoriale pentru monitorizarea parametrilor de mediu, Ed. PIM, Iaşi, 210 pagini, ISBN 978-606-13-4154-2 4. Valentin Stefanescu, Alexandru Miron, Marian Siminica, Marius Branzila, Lucian Nica, Aurel Nedelea, Mihai Ionita, Sandu Suru, Cristi Paraschiv, 2024, Instalatii electrice si sisteme electroenergetice, Ed.AGIR, 317 pag, ISBN 978-973-720-757-2 5. Mihai Creţu, Constantin Sarmasanu, Marius Branzila, 2017, Senzori si traductoare, Politehnium, Iaşi, 369 pagini, ISBN 978-973-621- 472-1
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. M. Branzila, D. Codreanu, "IoT System For Environmental Monitoring And Improving Thermal Comfort And Air Quality," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 37-40, doi: 10.1109/EPEi63510.2024.10758184.(IEEE Xplore) 2. M. Branzila, S. Cislariu, "Design of a Laboratory Stand for the Study of Sensors and Sensory Systems," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 53-56, doi: 10.1109/EPEi63510.2024.10758072., (IEEE Xplore) 3. M. Branzila, S.-A. Cîșlariu, S. Vornicu and C. Brinzila, "Sensory System Based on Intelligent Sensors for Implementation of a Modern Weather Station," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290770 (30/4 =7.5) ieeexplore 4. M. Branzila, C. Sarmasanu and I. -A. Ursăchianu, "Python Technology Used For A Human-Machine Interface In

	Sensors And Transducers Laboratory," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 422-425, doi: 10.1109/EPE56121.2022.9959821. (30/3 =10)ieeexplore 5. Pavel, M. Branzila, C. Sărmășanu and C. Donose, "LabVIEW Based Control and Monitoring of a Remote Test-Bench Experiment for Teaching Laboratories," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 398- 402, doi: 10.1109/SIELMEN53755.2021.9600348. (30/4 =7.5) ieeexplore 6. Zet C., Branzila M, Fosalau C, Sensor Network for Indoor Home Plants, 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI), 29-30 Aug. 2019 Lisbon, Portugal, 2019 (IEEE Xplore) 7. Brinzila M., Sarmasanu C., Ciudin D., Lacatusu D., Sensors and Transducers Laboratory Kiosk, 2018 International Conference on Electrical and Power Engineering EPE 2018, Iaşi, October 18-19, 2018 (IEEE Xplore) 8. Brinzila M., Sarmasanu C., Gonçalves J. M., Lacatusu D., Smart Sensors For An Alarm System Using ARM Microcontroller, 2018 International Conference on Electrical and Power Engineering EPE 2018, Iaşi, October 18-19, 2018 (IEEE Xplore) 9. Marius Branzila, Constantin Sarmasanu, Mihai, Alexandru, Java Technology Used To Facilitate Measuring Activity Performed By Students In Laboratory, International Conference and Exposition on Electrical and Power Engineering, 541-544, 2016 (IEEE Xplore) 10. M. Branzila, C.Sarmasanu, L.Spataru, RASPIMON - Smart Sensory System For Environmental Monitoring, International Conference and Exposition on Electrical and Power Engineering, 752-755, 2014 (IEEE Xplore) 11. M. Branzila, C.Sarmasanu, G.Fanaru, ROBOTVOICE - Voice Command Of A Robot, International Conference and Exposition on Electrical and Power Engineering, 760 – 763, 2014 (IEEE Xplore) 12. Marius Branzila, Valeriu David, Wireless Intelligent Systems for Biosignals Monitoring Using Low Cost Devices, IMEKO, Barcelona, Spania, pp 319, 2013 (SCOPUS) 13. Marius Branzila, Constantin Sarmasanu, Low Cost Smart Sensors for an Intelligent Home, IMEKO, Barcelona , Spania, pp 323, 2013 (SCOPUS) 14. Marius Branzila, Valeriu David, Real time ECG signal processing for R peak detection using Wigner and wavelet functions, Environmental Engineering and Management Journal, June 2013, Vol.12, No. 6, 1207-1214, FI - 1,096 15. Doru Andritoi, Valeriu David, Radu Ciorap, Marius Branzila, Recording and processing ECG signal during magnetotherapy procedures, Environmental Engineering and Management Journal, June 2013, Vol.12, No. 6, 1231-1238 FI - 1,096 16. Marius Branzila, Valeriu David, Chandrashekhar Padole, ECG signal processing using Wigner function, International Conference and Exposition on Electrical and Power Engineering, 601 – 604, 2012 (IEEE Xplore) 17. Marius Branzila; Felix Mariut; Daniel Petrisor, Virtual instrument developed for ADCON weather station, International Conference and Exposition on Electrical and Power Engineering, 853 – 856, 2012 (IEEE Xplore) 18. Al.Trandabat, M.Pislaru, M.Branzila, SiadEnv-Environmental friendly E-building energy management system, Environmental Engineering and Management Journal March 2012, Vol.11, No. 3, 687-694, 1582-9596 19. Gruia S., Branzila M., Cretu M., Lacatusu D., Low cost virtual instrument for fast ECG monitoring, Journal of Engineering Studies and Research – Volume 17 (2011) No. 2, pp. 79-82 20. Branzila, M , Alexandru, C, Donciu, C, Trandabăţ Al., Schreiner C., Virtual environmental measurement center based on remote instrumentation, Environmental Engineering and Management Journal Volume: 6, Issue: 6, Pages: 517-520, NOV-DEC 2007, 1582-9596

21. Trandabat, A, Branzila, M , Donciu, C, Pislaru M., Ciobanu C., Using GPS technology and distributed measurement system for air quality mapping of residential area, Environmental Engineering and Management Journal Volume: 6, Issue: 6, Pages: 545-548 Published: NOV-DEC 2007, 1582-9596
22. Donciu, C, Temneanu, M, Branzila, M, Sustainable irrigation based on intelligent optimization of nutrients applications, Environmental Engineering and Management Journal, Volume: 6 Issue: 6, Pages: 537-540, Published: NOV-DEC 2007, 1582-9596
23. Donciu, C, Temneanu, M, Branzila, M, Urban traffic pollution reduction using an intelligent video semaphoring system, Environmental Engineering and Management Journal, Volume: 6 Issue: 6, Pages: 563-566, Published: NOV-DEC 2007, 1582-9596
24. Marius Brinzila, M.D.Pereira, Al. Trandabat, C. Schreiner, Virtual meteorological center, International Journal of Online Engineering, Vol. 3, No. 4 , 2007, pp. 45-48, ISSN: 1861-2121
25. Schreiner C., Branzila M., Trandabat A., Ciobanu, R., Air quality and pollution mapping system using remote measurements and GPS technology, Global Nest Journal, v.8, no.3, 2006, pp.927-932, ISSN 1790-7632
26. Brinzila Carmen, Brinzila Marius, A system to measure the current efficiency and energy specific consumption for BDD electrode, Buletin AGIR nr. 3/2012, iunie-august, ISSN-L 1224-7928, pp.151-154
27. Gruia S., Branzila M., Cretu M., Lacatusu D., Low cost virtual instrument for fast ECG monitoring, Journal of Engineering Studies and Research – Volume 17 (2011) No. 2, pp. 79-82
28. Marius Branzilă, Valeriu David, Wireless Intelligent Systems for Biosignals Monitoring, IEEE EHB 2011 Iasi, ISBN 978-606-544- 078-4, volum indexat IEEE Xplore®, ISI-Proceedings, SCOPUS, INSPEC (IET) and EI (Engineering Information)
29. S.G. Lacatusu, M. Branzila, M.Cretu, D. Lacatusu, and S. Lacatusu, Virtual Instrument for Early Detecting Dental Decay Using Electrical Impedance Measurement Method, MEDITECH 2011, IFMBE Proceedings 36, pp. 172–175, 2011, Ed.Springer ISBN: 978-3- 642-22585-7
30. M. Branzila, M. Cretu, V. David, G. Lacatusu, Trends in Biosignal Processing Using Intelligent Systems, MTC 2011, Vol.I, pp. 473- 476
31. G. Lacatusu, M. Branzila, M. Cretu, D.Lacatusu, C.Cociorva, New trends in ECG signal processing using virtual instrumentation, MTC 2011, Vol.I, pp. 537-540
32. G. Lacatusu, M. Branzila, M. Cretu, D.Lacatusu, Improvment of ECG signal monitoring system using PDA phone and virtual instrumentation, MTC 2011, Vol.I, pp. 541-544
33. Perju, C; Branzila, MC; Cretu, M, Wireless monitoring system for risk management in assurance of drinking water quality, MTC 2009, VOL 1 Pages: 683-686 Published: 2009
34. Perju, C; Branzila, MC; Cretu, M, Wireless sensor networks for risk management in environmental quality, MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 2, Pages: 323-326, Published: 2009
35. Sarmasanu, C; Branzila, M; Breniuc, L, et al, On ways of monitoring the clinical laboratory using computer, MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 1 Pages: 717-720 Published: 2009
36. Sarmasanu, C; Breniuc, L; Branzila, M, Some ideas on improving quality management in TUIasi, MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 2 Pages: 351-354 Published: 2009
37. Alexandru, CI; Siminiceanu, I; Branzila, MC, et al., Development and environmental applications of new electrochemical advanced oxidation processes (EAOPS) for wastewater treatment, MANAGEMENT OF TECHNOLOGICAL

	CHANGES, VOL 1 Pages: 569-572 Published: 2009 38. Alexandru, CI; Branzila, MC; Sarmasanu, C, et al., Development of virtual organizations and remote instrumentation based on grid infrastructure, MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 2 Pages: 195-198 Published: 2009 39. Branzila, Marius, Schreiner Cristina,Trandabat Alexandru, Pislaru Marius, Intelligent system for monitoring of exhaust gas from hybrid vehicle, Intelligent Systems, 2008. IS '08, 4th International IEEE Conference, Volume 1, Issue , 6-8 Sept. 2008, Varna, Bulgaria, Page(s):5-2 - 5-5, ISBN: 978-1-4244-1739-1 40. Branzila, M. Alexandru, C. Ciobanu, C. Schreiner, C., New DAQB and associated virtual library included in LabVIEW for environmental parameters monitoring, Virtual Environments, Human-Computer Interfaces and Measurement Systems, 2008. VECIMS 2008. IEEE Conference, 14-16 July 2008, Istanbul, page(s): 121-124, ISBN: 978-1-4244-1927-2, INSPEC 41. Lacatusu D, Miron S.D, Branzila M, Crivoi F., Baican M., The Alternative Method For Detecting Dental Caries Using An Open Source System Arduino, The Medical-Surgical Journal, Vol 123 No 2 (2019) 42. M. Pislaru, A. Trandabat, R.Burlacu, C.Bratescu, S. Aradoaie, M.Branzila, Internet based distributed method in support of remote and collaborative design, Buletinul Institutului Politehnic din Iaşi, Tomul LIV (LVIII) Fasc.4, 2008, ISSN 1223-8139 43. Schreiner C., Ciobanu R., Brînzilă M., Laboratorul virtual utilizabil în domeniul psihologiei, Anuarul Universităţii "Petre Andrei" din Iaşi, Serie nouă Tomul II, 2007, ISSN 1454-4814, Ed. Institutul European, pp. 218-228 44. Brînzilă M.C, Pereira M.D., Donciu C., Cretu M., Internet Based Meteorological Center, IAŞI – ROMÂNIA Buletinul Institutului Politehnic din Iasi, Tomul LII(LIV), Fasc. 5., 2006, ISSN 1223-8139 pp.965-970 45. Brînzilă M.C., Alexandru C.I., Donciu C., Cretu M., Design and Analysis of a proposed Web Electronic Nose (WebE-Nose), IAŞI – ROMÂNIA Buletinul Institutului Politehnic din Iasi, Tomul LII(LIV), Fasc. 5, 2006, ISSN 1223-8139, pp.971-976
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. M.Branzila, M.Cretu, C.I. Alexandru, C. Schreiner, Intelligent System for Monitoring the Environmental Parameters, IMEKO 2008 - 16th International Symposium on Exploring new frontieres and methods for electrica land alectronic measurements, 22-24 September 2008 Florence - Italy, ISBN 978-88-903149-3-3, pp. 629-634 2. M.Branzila, C.Donciu, C.I. Alexandru, C. Schreiner, From Real World Experiment to Virtual Laboratory and Next Generation Grid, IMEKO 2008 - 16th International Symposium on Exploring new frontieres and methods for electrica land alectronic measurements, 22- 24 September 2008 Florence - Italy, ISBN 978-88-903149-3-3, pp.717-722 3. S.Ursache, M. Branzila, C. Bratescu, R. Burlacu, FDTD implementations for electromagnetic shields, IMEKO 2008 - 16th International Symposium on Exploring new frontieres and methods for electrica land alectronic measurements, 22-24 September 2008 Florence - Italy, ISBN 978-88-903149-3-3, pp. 605-609 4. Marius Branzila, Cristina Schreiner, Cristian Ravariu, A prototype of web-e-nose device used in medicine fields, International conference Remote Engineering and Virtual Instrumentation REV 2008, June 23-25 2008, University of Applied Sciences Duesseldorf, Germany, ISBN 978-3-89958-353-6 Kassel University Press 5. Carmen Alexandru, Marius Branzila, Ilie Siminiceanu and Cristina Schreiner, Virtual instrumentation for study of the Crystal Violet Mineralization in Water by the Electro-Fenton Method using an automated system, International conference Remote Engineering and Virtual Instrumentation REV 2008, June 23-25 2008, University of Applied Sciences Duesseldorf, Germany, ISBN 978-3-89958-353-6 Kassel University Press 6. C. Ravariu, P. Tuhari, M. C. Branzila, F. Ravariu and R. Botan, Virtual Diagnosis in Medicine using e-Healthcare, International conference Remote Engineering and Virtual Instrumentation REV 2008, June 23-25 2008, University of Applied

	Sciences Duesseldorf, Germany, ISBN 978-3-89958-353-6 Kassel University Press 7. C. Schreiner, Al. Trandabat, M. Branzila, R. Ciobanu, Environmental measurement center based on remote instrumentation, CEST– 2007, september 5th - 7th, 2007, Kos island, Greece, pp. B-763-770, ISBN 978-960-7475-40-4 8. C. Schreiner, Al. Trandabat, M. Branzila and R. Ciobanu, Environmental measurement center based on remote instrumentation, Proceedings of the 10th International Conference on Environmental Science and Technology, Kos Island, Greece, ISBN 978-960-7475- 40-4, ISSN 1106-5516, 5-7 September 2007, pp.763-770 9. M. Branzila, C.Alexandru, Al.Trandabat, M.Cretu, A prototype of Web-E-Nose device to be used in medicine fields, IMEKO 2007 - 15th International Symposium on Novelty in Electrical Measurements and Instrumentation, 18-22 September 2007 Iasi - Romania, ISBN 978- 973-667-260-6, ISBN 978-973-667-261-3, Vol.1, pp. 336-338 10. C.I.Alexandru, M.C.Branzila, I.Siminiceanu, Automated system for study of the Crystal Violet Mineralization in Water by the Electro- Fenton Method, IMEKO 2007 - 15th International Symposium on Novelty in Electrical Measurements and Instrumentation and 1st IMEKO TC19 International Symposium on Measurement and Instrumentation for Environmental Monitoring, 18-22 September 2007, Iasi- Romania, ISBN 978-973-667-263-7, pp. 29-31 11. Radu Damian, Romeo Ciobanu, Marius Brînzilă, Marius Olariu, Stability Considerations and Efficient Computing in Chiral Materials Electromagnetic Simulations , IMEKO 2007 - 15th International Symposium on Novelty in Electrical Measurements and Instrumentation and 1stIMEKO TC19 International Symposium on Measurement and Instrumentation for Environmental Monitoring, 18-22 September 2007, Iasi – Romania 12. Marius Brinzila, M.D.Pereira, Al. Trandabat, C. Schreiner, Virtual meteorological center, International Conference Remote Engineering and Virtual Instrumentation REV2007, Porto-Portugalia, 25-27 June 2007, ISBN 978-3-89958-278-9 13. R. Ciobanu, M. Branzila, C. Schreiner, A prototype of web-e-nose device to be used in medicine fields, Proceedings of First International Conference on E-Medicine EICEM 1, Cairo – Egipt, 27-30 March 2007, pp.135-140 14. C. Schreiner, M. Branzila, R. Ciobanu, Prototype architecture for a remote and distributed laboratory, for higher education purpose in medicine fields, Proceedings of First International Conference on E-Medicine EICEM 1, Cairo – Egipt, 27-30 March 2007, pp.225-228 15 Romeo Ciobanu, Cristina Schreiner, Marius Branzila, Alex Trandabat, Virtual laboratory for higher education purposes, based on remote measurements in the field of environment safety, Proceedings of International Conference on Distance Education, March 27-29, 2006, Muscat, Sultanate of Oman ICODE 2006, pp.156-167 15. Romeo Ciobanu, Christina Schreiner, Codrin Donciu, Marius Branzila, Prototype architecture for a remote and distributed measurements laboratory, for higher education purposes, Proceedings of International Conference on Distance Education, March 27-29, 2006, Muscat, Sultanate of Oman ICODE 2006, pp.173-185
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. David Valeriu, Foşălău Cristian-Ioan, Branzila Marius-Ciprian, RO131475(A2)-Method for extracting quasi-periodic signals from noise
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Sistem complex de monitorizare si control a calitatii mediului pentru un laborator virtual al societatii informationale, Grant tip TD, cod CNCSIS 168, 18000 RON, 2004 – 2006 (33371/2004; 34664/2005; 164/2006) 2. Grant (bursă) de cercetare BD, pentru tineri doctoranzi, cu tema Sisteme de monitorizare si control pentru parametrii de calitate ai mediului, cod CNCSIS 11, 200 RON/luna, 2004 – 2007 3. Haine ESD realizate din fibre cu miez conductor tricotate bistrat (GarmESD), PN Parteneriate, contract 179/ 2012

	4. Sistem video automatizat cu grad ridicat de interschimbabilitate pentru etalonare metrologică a echipamentelor de măsurare/ valoare UTI: 650000 RON 5. Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulara sau liniara/ valoare UTI: 467300 RON 6. Sistem integrat de inspectie video-inteligenta a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii/1040000 RON 7. Sistem informatic de instruire interactiva bazat pe algoritmi multitask de mare viteza dezvoltat pe platforma reconfigurabila online pentru aplicatii de tip laborator virtual/ valoare UTI: 606.164 RON 8. Sisteme virtuale şi distribuite de management a calităţii şi mentenanţei/520000 RON 9. Dezvoltarea capacităţii de integrare a romaniei în cadrul programelor, platformelor şi reţelelor europene in domeniul sistemelor virtuale si distribuite de design si management al cercetarii 188/2006, CEEX M3, 200000 RON 10. Dezvoltarea parteneriatelor c/d prin includerea excelentei romanesti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electomagneice in domeniul GHz, 202/2006, CEEX M3, 200000 RON 11. Dezvoltarea parteneriatelor c/d prin includerea excelentei romanesti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electomagnetice in domeniul GHz173/2006,CEEX M3,200000 RON 12. Dezvoltarea capacitatii de integrare a romaniei in cadrul programelor, platformelor si retelelor europene in domeniul metodelor comparative neinvazive si nedistructive de analiza a calitatii si securitatatii alimentelor, 179/2006, 200000 RON 13. Biocompozite obtinute prin reciclarea deseurilor de pet si utilizarea de derivaţi ligno-celulozici, 79/2006, Asistent Cercetare (Nov.2006-Aprilie 2007), 1250000 RON 14. Ecrane pentru constructii speciale bazate pe structuri chiral-fagure, 46/2006,1200000 RON 15. Materiale inteligente tip chiral-fagure pentru aplicatii multisectoriale, (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii speciale), 115/2006,659383 RON 16. Materiale inteligente tip chiral-fagure pentru aplicatii multisectoriale, (si extinderea aplicatiilor propuse initial pentru domeniul protectiei la radiatii electromagnetice - prin materiale si tehnologii avansate pentru constructii speciale), 115/2006,659383 RON 17. Remote instrumentation in next-generation grids, CORINT 132/2007, 90160 RON 18. Metodologie dielectrica nedistructiva, neinvaziva, comparativa de detectare rapida a ingredientilor cu potential factor de risc pentru sanatate din produsele alimentare, PN2 Parteneriate 51-015/14.09.2007, 2000000 RON 19. Metode avansate de proiectare si testare a sistemelor de izolatie destinate functionarii in conditii extreme si tolerante la defectare, CNCSIS A 489/2004, 150000 RON 20. Sistem de măsurare distribuita dezvoltat prin metode de instrumentaţie virtuala, CNCSIS AT 330/2003, contract nr. 33557/2003, 12000 RON 21. CNFIS-FDI-2024-F-0016, Rethinking Skills for Internationalisation - iSKILLS 22. ROSE, AG. nr.120/SGU-PV/C/II 23. ROSE, nr.185/SGU/NC/II / 11 septembrie 2019 24. Proiect POCU/379/6/21/123975 Dezvoltarea culturii antreprenoriale a studenţilor de la inginerie şi arhitectură prin

	crearea unei rețele de centre de pregătire în antreprenoriat – AntreprenorIng 25. ”Joint Operational Programme Romania -Republic of Moldova 2014-2020, finanţat prin ENI CBC, cu titlul “Direct Access to Students”, acronim DAS.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Burlică M. Monica-Dana **Conf. dr. ing.**	
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. M. Burlică, D. Roşu, A class of reaction-diffusion systems with nonlocal initial conditions, An. Ştiinţ. Univ. Al. I. CuzaIaşi, (N.S), 61(1)(2015), 59-78, https://www.degruyter.com/view/j/aicu.2015.61.issue-1/aicu-2013- 0017/aicu-2013-0017.xml 2. M. D. Burlică, D. Roşu, I. I. Vrabie, Continuity with respect to the data for a delay evolution equation with nonlocal initial conditions, Libertas Mathematica,(new series), 32 (2012), No. 1, 39-50, http://www.ara-as.org/index.php/lm-ns/article/view/27 3. M. D. Burlică, Viability for multi-valued semilinear reaction-diffusion systems, Ann. Acad. Rom. Sci.. Ser. Math.,2 (2010), 3-24. https://www.researchgate.net/publication/45267995_Viability_for_mu lti-valued_semilinear_reaction-diffusion_systems 4. M. Burlică, D. Roşu, A viability result for semilinear reaction- diffusion systems,An. Ştiinţ. Univ. Al. I. CuzaIaşi, (N.S), 54(2) (2008), 361- 382, http://www.math.uaic.ro/~annalsmath/pdf-uri%20anale/F2-2008/Burlica.pdf 5. M. Burlică, D. Roşu, The initial value and the periodic problems for a class of reaction-diffusion systems, Dynamics of Continuous, Discrete and Impulsive Systems, DCDIS, series A: Mathematical Analysis, 15 (2008), 427-444, http://online.watsci.org/abstract_pdf/2008v15/v15n3a-pdf/10.pdf Articol/studiu publicat în revistă de specialitate neindexată în baze de date 6. M. Burlică, D. Roşu, Semilinear reaction-diffusion systems, Buletinul Institutului Politehnic, Iași, tom LIII (LVII), Secția Matematică, Mecanică Teoretică, Fizică, 5, pp.51-58, 2007. ISSN: 1224-7863 (categoria B+)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. M. Burlică, M. Durea, R. Strugariu, On directional subregularity of mappings, Optimization, pp.1-25, 2022. https://doi.org/10.1080/02331934.2022.2032052 2. M. Burlică, M. Durea, R. Strugariu, New concepts of directional derivatives for set-valued maps and applications to set optimization, Optimization, pp.1-23, 2022. https://doi.org/10.1080/02331934.2022.2088368 3. M. D. Burlică, D. Roşu, An existence result for a class of delay inclusions involving measures, subjected to nonlocal initial data, Mediterranean Journal of Mathematics, 14:104, 2017. https://link.springer.com/article/10.1007/s00009-017-0900-3 4. M. D. Burlică, D. Roşu, Nonlinear delay reaction-diffusion systems with nonlocal initial conditions having affine growth, Topological Methods in Nonlinear Analysis, 48 (2), pp. 1-22, 2016. http://apcz.pl/czasopisma/index.php/TMNA/article/view/TMNA.2016. 027 5. M. D. Burlică, D. Roşu, I.I. Vrabie, Abstract reaction–diffusion systems with nonlocal initial conditions, Nonlinear

	Analysis: Theory, Methods & Applications, 94, pp. 107–119, 2014. http://www.sciencedirect.com/science/article/pii/S0362546X13002575 6. M. Burlică, D. Roșu, A class of nonlinear delay evolution equations with nonlocal initial conditions, Proceedings of the American Mathematical Society, 142, pp. 2445-2458, 2014. http://www.ams.org/journals/proc/2014-142-07/S0002-9939-2014-11969-1/
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. M. Burlică, Viability for Semi-Multi-Valued Reaction-Diffusion Systems, International Conference on Numerical Analysis and Applied Mathematics, 16-20 September, 2008, Kos, Greece, Vol. 1048, pp. 126- 129, 2008. ISBN: 978-0-7354-0576-9. 2. M. Burlică, D. Roșu, A viability result for semilinear reaction-diffusion systems, Proceedings of the International Conference of Applied Analysis and Differential Equations, 4–9 September 2006, Iași, Romania, World Scientific, 2007, 31–44. 3. M.D. Burlică, A viability problem, The 5-th International Conference of Mathematical Society of the Republic of Moldova (IMCS-55), Chișinău,Republic of Moldova, 28 Septembrie-1 Octombrie, 2019. http://www.math.md/imcs55/ 4. M.D. Burlică, Existence for delay inclusions involving measures, International Conference on Applied and Pure Mathematics, Iași, Romania, 2-5 Noiembrie, 2017 5. .http://math.etc.tuiasi.ro/apm2017/ 6. M.D. Burlică, Existence and stability for a class of nonlinear reaction- diffusion systems with delay,International Conference on Applied and Pure Mathematics, Iași, Romania, 6-8 Noiembrie, 2015 http://math.etc.tuiasi.ro/apm2015/ 7. M.D. Burlică, Semilinear reaction-diffusion systems with delay, Applied and Industrial Mathematics Symposium RoAIMS 2014, Iași, Romania, 12-15 Iunie, 2014. https://profs.info.uaic.ro/~jromai/romai/conferintele_romai/roaims2014.html 8. M.D. Burlică, Nonlinear multi-valued reaction-diffusion systems with delay, The 10-th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Madrid, Spain, 7-11 Iulie, 2014 http://www.aimsconference.org/conferences/2014/ 9. M.D. Burlică, Multi-valued reaction-diffusion systems with delay, Applied and Industrial Mathematics Symposium RoAIMS 2013, Iași, Romania, 24-26 Mai, 2013. 10. M.D. Burlică, Viability for a semilinear reaction-diffusion system with delay, International Conference on Applied and Pure Mathematics, Iași, Romania, 1-3 Noiembrie, 2013 http://math.etc.tuiasi.ro/apm2013/ 11. M.D. Burlică, Viability of a moving set with respect to a semilinear reaction-diffusion system with delay, IFIPTC7 Conference on System Modelling and Optimization, Klagenfurt, Austria, 8-13 Septembrie, 2013. http://www.math.aau.at/IFIP-2013/program/day/ 12. M.D. Burlică, Viability for a time-dependent domain with respect to a reaction-diffusion system with delay, International Conference on Applied Mathematics, Modelling and Optimization, Klagenfurt, Austria, 8-13 Septembrie, 2013. http://www.ammcs2013.wlu.ca/AMMCS-2013-Conference-Program- Online.pdf 13. M.D. Burlică, Sisteme semi-multivoce cu întârziere și condiții inițiale nelocale, Zilele Universității “Al. I. Cuza ”, Sesiunea de comunicări Științifice, Facultatea de Matematică, Iași, România, 27 octombrie 2012. http://www.math.uaic.ro/continut/download/download.php?cod_file=243 14. M.D. Burlică, Solutions for a delay reaction-diffusion system with nonlocal initial conditions , The 20th Conference on Applied and Industrial Mathematics, Chișinău, Republic of Moldova, 22-25 August, 2012. 15. M.D. Burlică, Existence for a class of nonlinear delay reaction- diffusion systems, The 9-th AIMS Conference on

	Dynamical Systems, Differential Equations and Applications, Orlando, Florida, U.S.A., 1-5 Iulie, 2012. http://www.aimsconference.org/conferences/2012/index.html 16. M. Burlică, Existence for a class of predator-prey systems, International Conference on Applied and Pure Mathematics, Iași, România, 12-14 Noiembrie, 2010. http://math.etc.tuiasi.ro/apm2010/ 17. M. Burlică, D. Roșu, Viability for reaction-diffusion systems, "Alexandru Myller" Mathematical Seminar Centennial Conference, Iași, România, 21-26 Iunie, 2010. http://www.math.uaic.ro/~Myller2010/programme.pdf 18. M. Burlică, Viabilitate pe grafice pentru sisteme de reacție-difuzie semiliniare, Zilele Universității "Al. I. Cuza ", Sesiunea de comunicări Științifice, Facultatea de Matematică, Iași, România, 23-24 octombrie 2009. http://www.math.uaic.ro/index.php?lb=0&cod=0&id=308 19. M. Burlică, Viability on graphs for semilinear multi-valued reaction- diffusion systems, EQUADIFF 12, Brno, Czech Republic, 20-24 iulie 2009. http://www.math.muni.cz/~equadiff 20. M. Burlică, Un rezultat de viabilitate pentru sisteme de reacție-difuzie semi-multivoce, , Zilele Universității "Al. I. Cuza ", Sesiunea de comunicări Științifice, Facultatea de Matematică, Iași, România, 17 octombrie 2008. http://www.math.uaic.ro/index.php?lb=0&cod=0&id=308 21. M. Burlică, D. Roșu, Viability on graphs for semilinear multi-valued reaction-diffusion systems, The 6-th Conference on Nonlinear Analysis and Applied Mathematics, Târgoviște, România, 21-22 Noiembrie, 2008. 22. M. Burlică, Viability for semi-multi-valued reaction-diffusion systems, International Conference of Numerical Analysis and Applied Mathematics, ICNAAM, Kos, Greece, 16-20 Septembrie, 2008. http://history.icnaam.org/icnaam_2008/index.htm 23. M. Burlică, D. Roșu, A viability result for semilinear reaction-diffusion systems, International Conference on Applied Analysis and Differential Equations, Iași, România, 4-9 Septembrie, 2006. http://www.math.uaic.ro/~icaade/program.php 24. M. Burlică, D. Roșu, Existență pentru sisteme de reacție-difuzie, Zilele Universității "Al. I. Cuza ", Sesiunea de comunicări Științifice, Facultatea de Matematică, Iași, România, 22 octombrie 2004.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membru Grant ERASMUS KA2+ MathE-Improve Math Skills in Higher Education, nr. 2018-1-PTK01-KA203-047361, perioada 01.09.2018 – 31.08.2021. Punctaj: 2018: 20 x 18971 lei / 10000 / 5 membri = 7,58 puncte 2019: 15x56233,35 lei/10000/5 =16,87 2020: 20x56233,35 lei/10000/5 =22,49 2021: 20x28116,68 lei/10000/5 =11,25 2. 2019-2022 Expert Educație Matematică proiect ROSE 185/SGU/NC/II „Cresterea gradului de retentie in primul an de studii universitare in inginerie electrica si energetica prin reducerea abandonului si cresterea promovabilitatii", grant prof. univ. dr. ing. Marinel Temneanu, 13 membri Valoarea pe: 2019: 15x58315,749 lei/10000/13=6,73 2020: 15x511092 lei/10000/43=17,82 2021: 15x 212.318 lei /10000/13=24,50 2022: 3. Expert Educație Matematică proiect ROSE 288/SGU/CI/III „Rețea de laboratoare didactice pentru discipline generale specifice studiilor de inginerie - NETLAB", director grant prof. univ. dr. ing. Neculai Eugen Seghedin, 36 membri Valoarea pe: 2019: 2020: 15x 122.181,00 lei /10000/36=5,09 2021: 15x241.640,37 lei /10000/36=17,82 4. 2020-2022 Consilier mentor proiect ROSE 367/SGU/SS/III „Viitoruleste electric!", director grant sef lucrari dr.ing. Cristina Vatavu, 23 membriValoarea pe: 2020: 15x260.200,75 lei/10000/21=18,59 2021: 15x 427.881,75 lei/10000/23=18,59 5. 2017-2020 Expert Educație Matematică proiect ROSE 83/SGU/CI/I „ Reducerea abandonului școlar al studenților din

	anul întâi prin activităţi remediale şi de consiliere în Centrul de Învăţare din cadrul TUIASI (REMEDIUM)", director grant prof. univ. dr. ing. Neculai Eugen Seghedin,36 membri Valoarea pe: 2017: 2018: 15x906138 lei/10000/38=35,76 2019: 15x171240,88 lei /10000/36=7,135 2020: 15x 122.181,00 lei /10000/36=5,09 6. 2011-2016 Proiect PN-II-ID-PCE-2011-3-0052, CNCSIS-UEFISCDI, coordonator contract prof. univ. dr. I. I. Vrabie, tema, „Incluziuni funcţional- diferenţiale cu întârziere în spaţii Banach"(5 membri), membru în echipă.Valoarea pe: 2011: 166667 Ron 2012: 500000 Ron 2013: 500000 Ron 2014: 333333 Ron 7. 2011-2013 Proiect POSDRU/56/1.2/S/32768, „Formarea cadrelor didactice universitare şi a studenţilor in domeniul utilizării unor indtrumente moderne de predare-învăţare-evaluare pentru disciplinee matematice, în vederea creeării de competenţe performante şi practice pentru piata muncii", coordonator proiect conf dr. A. L. Pletea, expert pe termen scurt. Valoarea pe: 2011: 8. 2007-2010 Grant PN-II-ID-IDEI, cod CNCSIS ID 397, cu tema, „Incluziuni diferenţiale pe mulţimi închise, mulţimi tangente și aplicații", încheiat de Universitatea „Alexandru Ioan Cuza" din Iași, director de contract prof. univ. dr. I. I. Vrabie (5 membri)- membru în echipă. Valoarea pe: 2007: 83334 Ron 2008: 333333 Ron 2009: 333333 Ron 2010: 250000 Ron 9. 2006-2008 Grant CNCSIS A , cod 1159 cu tema, „Probleme de viabilitate și invarianță pentru ecuații diferențiale și ecuații funcționale, sisteme de reacție-difuzie și ecuații cu date măsuri" încheiat de Universitatea „Alexandru Ioan Cuza" din Iași, director de contract prof. univ. dr. I. I. Vrabie (5 membri)- membru în echipă Valoarea pe: 2007: 83334 Ron 2008: 333333 Ron 2009: 333333 Ron 2010: 250000 Ron 10. Grant CNCSIS tip A, cod 818, cu titlul: „Studiul existenţei, unicităţii, stabilităţii şi aproximării soluţiilor unor clase de ecuaţii funcţionale", încheiat de Universitatea Tehnică "Gheorghe Asachi", Iaşi, director proiect prof. dr. Adrian Corduneanu, membru în echipă Nr. 33371/2004, tema 50; nr. 34664/2005, tema 21 Valoarea pe: 2003: 59000000 Rol (15 membri) 2004: 99000000 Rol (17 membri) 2005: 99000000 Rol (17 membri)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Butnicu Dan **Sef lucr. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Book Chapter : *Comparative Study for DC-DC Converter Output Bank's Reliability Evaluation Using Prediction Standards MIL-HDBK-217F vs. Telcordia SR- 332* In Advances in Energy Research – 5th Edition, VIDE LEAF Ed., India, 2025 ISBN : 978-93-92117-3
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Butnicu, D. *A Derating-Sensitive Tantalum Polymer Capacitor's Failure Rate within a DC-DC eGaN-FET-Based PoL Converter Workbench Study*. Micromachines 2023, 14, 221. https://doi.org/10.3390/mi14010221 2. Butnicu, D.; Lazar, A. *Workbench Study Concerning the Highest Reliability Outcome for PoL Converters with Different Output Capacitor Technologies*. Energies 2023, 16, 2768. https://doi.org/10.3390/en16062768 3. D. Butnicu, D. O. Neacsu and A. Cracan, "*A Study of Switching Frequency Impact on Reliability of DC-DC PoL Converters With Discrete Transistors*," in IEEE Transactions on Industry Applications, vol. 59, no. 5, pp. 6373-6383, Sept.-Oct. 2023, doi:

	10.1109/TIA.2023.3291675. 4. Butnicu D, Ionescu D, Kovaci M. *Structure Optimization of Some Single-Ion Conducting Polymer Electrolytes with Increased Conductivity Used in "Beyond Lithium- Ion" Batteries*. Polymers (Basel). 2024 Jan 29;16(3):368. doi: 10.3390/polym16030368 5. Butnicu, D. *Comparative Study for DC-DC Converter Output Bank's Reliability Evaluation Using Prediction Standards MIL-HDBK-217F vs. Telcordia SR-332*. Energies 2024, 17, 3957. https://doi.org/10.3390/en17163957 6. D.O. Neacsu, M. Cirstea, D. Butnicu, "*Comparative Reliability Analysis for Resonant Converter Operation Under Component Ageing*," in IEEE Journal of Emerging and Selected Topics in Industrial Electronics, vol. 2, no. 2, pp. 142-154, April 2021, doi: 10.1109/JESTIE.2020.3044515.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. JINR Laboratory: Frank Laboratory of Neutron Physics (FLNP), Joint Institute for Nuclear Research, 6, Joliot-Curie str., 141980 Dubna, RUSSIA, http://flnph.jinr.ru Romanian Partner Institution(s): "Gheorghe Asachi" Technical University of Iasi (TUIASI), bd. Dimitrie Mangeron, nr. 67, 700050 Iasi, Romania, https://www.tuiasi.ro/ Title : *Development and comprehensive research using nuclear physics methods of functional environments for ultrahigh-density capacitors based on Zirconia nanopowders for nanoelectronics and microsystem technology* Theme code: 03-4-1128-2017/2022 2. Grant naţional de cercetare ARUT al TUIASI, cod GnaC2023_259 / 2024, cu titlul: „ *Reducerea amprentei CO2 prin predictia MTBF și scanarea IR asupra condensatoarelor electrolitice din SMPS moderne*" (RACO2) – valoare totală 49771 lei (echivalent 10000 EURO) Sursa de finanţare: Fondul pentru Finanţarea Cercetării Ştiinţifice Universitare, contract CNFIS-FDI-2024-0598 şi Venituri Proprii TUIASI3. 3. *Performanţă şi excelenţă în cercetarea postdoctorală* – 2022-2023 (Contract de studii postoctorale de cercetare avansată nr.17171 din 25.05.2022, Univ.tehnică Ghe. Asachi - Iași) Cod proiect: POCU/993/6/13/153437

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Cârlescu Vlad	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**

Conf. dr. ing.	1. G. Ianuş, V. Matieş, G. Prisăcaru, C. Bujoreanu, C. Ştirbu, M.R. Bălan, A. Tufescu, C. Stamate, V. Cârlescu, Mecanica fină şi Mecatronică, Vol. 2., Capitol carte: Biomecatronică. Aplicații în protezarea membrelor superioare și inferioare, pp. 127-175, Chișinău 2022, ISBN 978-5-88554- 129-9 2. Vlad Cârlescu, Bionica. Soluții inginerești inspirate din natură, Editura Universității Tehnice ”Gheorghe Asachi” din Iași, 2023, 138 pag., ISBN 978-973-621-536-0
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Răzvan Constantin Brânzan, Ionut, Tărăboantă, Cristina Angela Ghiorghe, Simona Stoleriu, Vlad Cârlescu, Andra Claudia Tărăboantă-Gamen and Sorin Andrian, Evaluation of the Mechanical Properties of Different Dental Resin-Based Materials After Submersion in Acidic Beverages, Dent. J. 2025, 13, 4. https://doi.org/10.3390/dj13010004 2. Denis Cojocaru, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Friction Torque in Miniature Ball Bearings, Lubricants 2025, 13, 12. https://doi.org/10.3390/lubricants13010012 3. Sergiu Gabriel Pal, Viorel Goanta, Ciprian Ionut Moraras and Vlad Carlescu, Mechanical Behavior Analysis of Polypropylene-Based Composites and a Photopolymer Resin via Tensile and Scratch Testing, Polymers 2025, 17(16), 2180; https://doi.org/10.3390/polym17162180 4. Denis Cojocaru, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Grease Film Behavior in Ball Bearings, Lubricants 2025, 13, 429. https://doi.org/10.3390/lubricants13100429 5. Radu HARAGA, Daniela CHICET, Stefan TOMA, Vlad CARLESCU, Costica BEJINARIU, Microhardness and Elastic Properties Evaluation of WC-TiC Coatings Obtained by Arc Spraying Process, Archives of Metallurgy and Materials, Vol. 69 (2), 2024, 795-801 DOI: 10.24425/amm.2024.149812 6. V. Bulbuc, V. Paleu, B. Pricop, M. Popa, V. Carlescu, N. Cimpoesu, and L.G. Bujoreanu, Effects of Dynamic Loading under Extreme Conditions on Wear Resistance of T105Mn120 Castings for Railway Safety Systems, Journal of Materials Engineering and Performance 30:7128-7137 (2021) https://doi.org/10.1007/s11665-021-05837-7 7. SIMONA-NICOLETA MAZURCHEVICI, BOGDAN PRICOP, BOGDAN ISTRATE, ANDREI- DANUT MAZURCHEVICI, VLAD CARLESCU, CONSTANTIN CARAUSU, DUMITRU NEDELCU, Technological Parameters Effects on Mechanical Properties of Biodegradable Materials Using FDM, MATERIALE PLASTICE 57 (2) 2020, 215 – 227, https://doi.org/10.37358/MP.20.2.5368 8. CRISTINA-ANGELA GHIORGHE, VLAD CARLESCU, CLAUDIU TOPOLICEANU, IRINA NICA, GALINA PANCU, GIANINA IOVAN, SORIN ANDRIAN, COSTIN LUPU, Microhardness Investigation of Dental Composite Resins Exposed to Corrosive Environment, MATERIALE PLASTICE 56 No. 2, 2019, 434-439, http://www.revmaterialeplastice.ro/article_eng.asp?ID=5202 9. CRISTINA ANGELA GHIORGHE, GIANINA IOVAN, VLAD CARLESCU, BOGDAN ISTRATE, GALINA PANCU, SORIN ANDRIAN, Comparative Evaluation of Hardness and Elasticity Modulus of Tooth-Colored Materials for Dental Restoration, REVISTA DE CHIMIE, Vol. 68, Issue 11, November 2017, 2623-2627, http://www.revistadechimie.ro/article_eng.asp?ID=5942 10. Vlad Cârlescu, Dumitru N. Olaru, Gheorghe Prisăcaru, Cezar Oprișan and José Machado, Sensors and Actuators on Determining Parameters for Being Considered in Selection of Elastomers for Biomimetic Hands, SENSORS 2017, 17, 1190, doi:10.3390/s17061190 11. Dumitru N. Olaru, Mihaela Rodica D. Bălan, Ana Tufescu, Vlad Cârlescu, Gheorghe Prisacaru, Influence of the cage on the friction torque in low loaded thrust ball bearings operating in lubricated conditions, TRIBOLOGY INTERNATIONAL 107

	(2017) 294–305, https://doi.org/10.1016/j.triboint.2016.11.042 12. Vlad Cârlescu, Florin Breabăn, Gheorghe Prisăcaru, Gelu Ianuş, Maria Cazacu, Electromechanical Strain Response of PDMS/TiO2/SiO2 at Variable Electric Fields, MATERIALE PLASTICE 50, No. 2, 2013, pp. 141-145, http://www.revmaterialeplastice.ro/article_eng.asp?ID=3608 13. Vlad Cârlescu, Florin Breabăn, Dumitru Olaru, Gheorghe Prisăcaru, Comparative Study of Electromechanical Response in Some Dielectric Elastomers, Journal of Optoelectronics and Advanced Materials, Vol. 13, No. 8, August 2011, pp. 986-991, https://joam.inoe.ro/index.php?option=magazine&op=view&idu=2861&catid=65 14. Cristina Angela Ghiorghe, Claudiu Topoliceanu, Sorin Andrian, Vlad Cârlescu, Galina Pancu, Andra Claudia Gamen, Irina Nica, Gianina Iovan, STUDIES ON VICKERS HARDNESS AND THE ELASTICITY MODULUS OF MATERIALS FOR DENTAL RESTORATION, Romanian Journal of Oral Rehabilitation Vol. 10, No. 2, April-June 2018, 38 – 44 15. Panțuru, M., Cârlescu, V., Chicet, D., Răileanu, L., Munteanu, C., Evaluation of adhesion - Cohesion of some TBCS used for internal combustion engine valves using scratch method, UPB Scientific Bulletin, Series B: Chemistry and Materials Science 81(2), 2019, pp. 215-224 16. CARLESCU Vlad, PRISACARU Gheorghe and OLARU N. Dumitru, FEM Simulation on Uniaxial Tension of Hyperelastic Elastomers, Applied Mechanics and Materials Vol. 659 (2014) pp. 57-62, https://doi.org/10.4028/www.scientific.net/AMM.659.57 17. MIHAI RUSU , IONITA DANIELA , MARCELIN BENCHEA ,VLAD CARLESCU and DUMITRU OLARU, Friction of the polymers. Experimental results and analytical model, Applied Mechanics 18. Mihai Adrian Rusu, Daniela Ioniță, Vlad Cârlescu, Gheorghe Prisăcaru, Dumitru Olaru, Characterization of Some Types of Polymers by Friction Behaviour, The Romanian Review Precision Mechanics, Optics & Mechatronics 2015, Issue 48, 110-116, https://ijomam.com/wp- content/uploads/2023/02/RRPMOM_48.pdf 19. Alexandru BARNEA, Mihai Adrian RUSU, Cezar OPRIŞAN, Vlad CARLESCU, Gheorghe PRISACARU and Dumitru OLARU, Friction Between Cylindrical Objects and Prehension Elastomer Fingers, The Romanian Review Precision Mechanics, Optics & Mechatronics 2015, Issue 48, pp. 219-223, https://ijomam.com/wp-content/uploads/2023/02/RRPMOM_48.pdf 20. Vlad Cârlescu, Petru Marian Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Modeling and Simulation of The Electromechanical Response in Planar Electroactive Polymer Actuators, The Romanian Review Precision Mechanics, Optics & Mechatronics 2011, No. 40, 209-212, https://ijomam.com/wp-content/uploads/2023/07/RRPMOM_40-1.pdf 21. Florin Breabăn, Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, J. Coutte, Laser scanning vibrometry applied to non-destructive testing of electro-active polymers, Scientific Bulletin Series D: Mechanical Engineering, Volume 73, Issue 2, 2011, 171-180, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full80892.pdf
	Lucrări publicate în reviste din străinătate şi din țară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Răzvan Constantin Brânzan, Ionut, Tărăboantă, Cristina Angela Ghiorghe, Simona Stoleriu, Vlad Cârlescu, Andra Claudia Tărăboantă-Gamen and Sorin Andrian, Evaluation of the Mechanical Properties of Different Dental Resin-Based Materials After Submersion in Acidic Beverages, Dent. J. 2025, 13, 4. https://doi.org/10.3390/dj13010004 2. Denis Cojocaru, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Friction Torque in Miniature Ball Bearings, Lubricants 2025, 13, 12. https://doi.org/10.3390/lubricants13010012 3. Sergiu Gabriel Pal, Viorel Goanta, Ciprian Ionut Moraras and Vlad Carlescu, Mechanical Behavior Analysis of Polypropylene-Based Composites and a Photopolymer Resin via Tensile and Scratch Testing, Polymers 2025, 17(16), 2180;

https://doi.org/10.3390/polym17162180
4. Denis Cojocaru, Gelu Ianus, Vlad Cârlescu, Bogdan Chiriac and Dumitru Olaru, Grease Film Behavior in Ball Bearings, Lubricants 2025, 13, 429. https://doi.org/10.3390/lubricants13100429
5. Radu HARAGA, Daniela CHICET, Stefan TOMA, Vlad CARLESCU, Costica BEJINARIU, Microhardness and Elastic Properties Evaluation of WC-TiC Coatings Obtained by Arc Spraying Process, Archives of Metallurgy and Materials, Vol. 69 (2), 2024, 795-801 DOI: 10.24425/amm.2024.149812
6. V. Bulbuc, V. Paleu, B. Pricop, M. Popa, V. Carlescu, N. Cimpoesu, and L.G. Bujoreanu, Effects of Dynamic Loading under Extreme Conditions on Wear Resistance of T105Mn120 Castings for Railway Safety Systems, Journal of Materials Engineering and Performance 30:7128-7137 (2021) https://doi.org/10.1007/s11665-021-05837-7
7. Vlad Cârlescu, Dumitru N. Olaru, Gheorghe Prisăcaru, Cezar Oprișan and José Machado, Sensors and Actuators on Determining Parameters for Being Considered in Selection of Elastomers for Biomimetic Hands, SENSORS 2017, 17, 1190, doi:10.3390/s17061190
8. Dumitru N. Olaru, Mihaela Rodica D. Bălan, Ana Tufescu, Vlad Cârlescu, Gheorghe Prisacaru, Influence of the cage on the friction torque in low loaded thrust ball bearings operating in lubricated conditions, TRIBOLOGY INTERNATIONAL
9. CARLESCU Vlad, PRISACARU Gheorghe and OLARU N. Dumitru, FEM Simulation on Uniaxial Tension of Hyperelastic Elastomers, Applied Mechanics and Materials Vol. 659 (2014) pp. 57-62, https://doi.org/10.4028/www.scientific.net/AMM.659.57
10. MIHAI RUSU , IONITA DANIELA , MARCELIN BENCHEA ,VLAD CARLESCU and DUMITRU OLARU, Friction of the polymers. Experimental results and analytical model, Applied Mechanics and Materials Vol. 823 (2016) pp 473-478, https://doi.org/10.4028/www.scientific.net/AMM.823.473
11. Vlad Cârlescu, Florin Breabăn, Dumitru Olaru, Gheorghe Prisăcaru, Comparative Study of Electromechanical Response in Some Dielectric Elastomers, Journal of Optoelectronics and Advanced Materials, Vol. 13, No. 8, August 2011, pp. 986-991
12. Vlad Cârlescu, Florin Breabăn, Gheorghe Prisăcaru, Gelu Ianuș, Maria Cazacu, Electromechanical Strain Response of PDMS/TiO2/SiO2 at Variable Electric Fields, MATERIALE PLASTICE 50, No. 2, 2013, pp. 141-145
13. CRISTINA ANGELA GHIORGHE, GIANINA IOVAN, VLAD CARLESCU, BOGDAN ISTRATE, GALINA PANCU, SORIN ANDRIAN, Comparative Evaluation of Hardness and Elasticity Modulus of Tooth-Colored Materials for Dental Restoration, REVISTA DE CHIMIE, Vol. 68, Issue 11, November 2017, 2623-2627
14. CRISTINA-ANGELA GHIORGHE, VLAD CARLESCU, CLAUDIU TOPOLICEANU, IRINA NICA, GALINA PANCU, GIANINA IOVAN, SORIN ANDRIAN, COSTIN LUPU, Microhardness Investigation of Dental Composite Resins Exposed to Corrosive Environment, MATERIALE PLASTICE 56 No. 2, 2019, 434-439
15. SIMONA-NICOLETA MAZURCHEVICI, BOGDAN PRICOP, BOGDAN ISTRATE, ANDREI- DANUT MAZURCHEVICI, VLAD CARLESCU, CONSTANTIN CARAUSU, DUMITRU NEDELCU, Technological Parameters Effects on Mechanical Properties of Biodegradable Materials Using FDM, MATERIALE PLASTICE 57 (2) 2020, 215 – 227
16. Cristina Angela Ghiorghe, Claudiu Topoliceanu, Sorin Andrian, Vlad Cârlescu, Galina Pancu, Andra Claudia Gamen, Irina Nica, Gianina Iovan, STUDIES ON VICKERS HARDNESS AND THE ELASTICITY MODULUS OF MATERIALS FOR DENTAL RESTORATION, Romanian Journal of Oral Rehabilitation Vol. 10, No. 2, April-June 2018, 38 – 44
17. Panțuru, M., Cârlescu, V., Chicet, D., Răileanu, L., Munteanu, C., Evaluation of adhesion - Cohesion of some TBCS used for internal combustion engine valves using scratch method, UPB Scientific Bulletin, Series B: Chemistry and Materials

	Science 81(2), 2019, pp. 215-224 18. Vlad Cârlescu, Petru Marian Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Modeling and Simulation of The Electromechanical Response in Planar Electroactive Polymer Actuators, The Romanian Review Precision Mechanics, Optics & Mechatronics 2011, No. 40, 209-212 19. Florin Breabăn, Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, J. Coutte, Laser scanning vibrometry applied to non-destructive testing of electro-active polymers, Scientific Bulletin Series D: Mechanical Engineering, Volume 73, Issue 2, 2011, 171-180 20. CARLESCU Vlad, PRISACARU Gheorghe and OLARU N. Dumitru, FEM Simulation on Uniaxial Tension of Hyperelastic Elastomers, Applied Mechanics and Materials Vol. 659 (2014) pp. 57- 62 21. Alexandru BARNEA, Mihai Adrian RUSU, Cezar OPRISAN, Vlad CARLESCU, Gheorghe PRISACARU and Dumitru OLARU, Friction Between Cylindrical Objects and Prehension Elastomer Fingers, The Romanian Review Precision Mechanics, Optics & Mechatronics 2015, Issue 48, pp. 219- 223 22. Mihai Adrian Rusu, Daniela Ioniță, Vlad Cârlescu, Gheorghe Prisăcaru, Dumitru Olaru, Characterization of Some Types of Polymers by Friction Behaviour, The Romanian Review Precision Mechanics, Optics & Mechatronics 2015, Issue 48, 110-116
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Cârlescu V., Oprișan C.M., Chiriac B., Ianuș G., Olaru D.N., Influence of Hand Sanitisers on the Friction Properties of the Finger Skin Amid the COVID-19 Pandemic, 1st International Conference on Innovation in Engineering, ICIE 2021 Guimarães 28 June 2021 through 30 June 2021, In: Innovation in Mechanical Engineering, Lecture Notes in Mechanical Engineering Pages 420 – 428 (2022) 2. C M Oprisan, B Chiriac, V Carlescu and D N Olaru, Friction forces on human finger skin, 14th International Conference on Tribology (ROTRIB), Tech Univ Cluj Napoca, Cluj Napoca, ROMANIA, SEP 19-21, 2019, IOP Conf. Series: Materials Science and Engineering 724 (2020) 012059 3. Cristian Stescu, Daniela Chicet, Vlad Carlescu, Ovidiu Mocanita, Corneliu Munteanu, Microstructural analysis, evaluation of the adhesion and utilization properties of plasma coatings on alloy steel substrate, 11th International Conference on Materials Science and Engineering (BraMat), Brasov, ROMANIA, MAR 13-16, 2019, Materials Today: Proceedings 19 (2019) 1081–1090 4. V Cârlescu, G Prisăcaru and D Olaru, Electromechanical response of silicone dielectric elastomers, IOP Conf. Series: Materials Science and Engineering 147 (1), 2016, 012057 5. G Ianuș, A C Dumitrașcu, V Cârlescu and D N Olaru, Friction torque in thrust ball bearings grease lubricated, IOP Conf. Series: Materials Science and Engineering 147 (1), 2016, 012026 6. C Oprișan, V Cârlescu, A Barnea, Gh Prisacaru, D N Olaru and Gh Plesu, Experimental determination of the Young's modulus for the fingers with application in prehension systems for small cylindrical objects, IOP Conf. Series: Materials Science and Engineering 147 (1), 2016, 012058 7. Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Maria Cazacu, Transverse strain response measurements of some dielectric elastomer polymers, Proceedings of the 15th International Conference Modern Technologies, Quality and Innovation – ModTech 2011 – New face of TMCR, 25-27 May 2011, Vadul lui Vodă – Chișinău, Republic of Moldova, pp. 177-180 8. Vlad Cârlescu, Florin Breabăn, Dumitru Olaru, Gheorghe Prisăcaru, A Technique for Dynamic Characterization of Dielectric Elastomers, Proceedings of 2nd International Conference on Innovations, Recent Trends and Challenges in

Mechatronics, Mechanical Engineering and New High-Tech Products Development (MECAHITECH'10), SEP 23-24, 2010, 398-400
9. Vlad Cârlescu, Mihai Adrian Rusu, Gheorghe Prisăcaru, Emanuel Miron, José Machado and Dumitru Olaru, Behavior of the Elastomers Used in Prehension Systems for Small Cylindrical Objects, CONTROLO 2016, Lecture Notes in Electrical Engineering 402 (2017), 495-505
10. Cârlescu V., Olaru D.N., Prisăcaru G., Oprișan C., Știrbu R.Ș., Machado J. (2019) Influence of the Indentation Speed on Viscoelastic Behavior of the Human Finger, In: Machado J., Soares F., Veiga G. (eds) Innovation, Engineering and Entrepreneurship HELIX 2018, Lecture Notes in Electrical Engineering, vol 505., 2019, pp. 143–150, Springer, Cham
11. C Stescu, D Chicet, C Munteanu, C Croitoru and V Cârlescu, Machining of thermal sprayed coatings – a case study for self fluxing powder, International Conference on Innovative Research - EUROINVENT ICIR 2019, 16–17 May 2019, Iasi, Romania, IOP Conf. Series: Materials Science and Engineering 572 (2019) 012051
12. C M Oprisan , B Chiriac , V Cârlescu and D N Olaru, Influence of the stiffness and the speed on the stick-slip process, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012016
13. G Ianuș, D Cojocaru, M C Oprișan, V Cârlescu and D N Olaru, Friction models for grease lubricated ball-race contacts, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012012
14. V Cârlescu, C M Oprisan, G Ianus and D N Olaru, Evaluation of friction behaviour on human finger skin considering precision grip task, IOP Conf. Series: Materials Science and Engineering 997 (2020) 012007
15. Gelu Ianus, Denis Cojocaru, Vlad Carlescu, Ana Tufescu and Dumitru N. Olaru, Grease lubrication of miniature ball bearings, Proc. of 25th INNOVATIVE MANUFACTURING ENGINEERING & ENERGY, INTERNATIONAL CONFERENCE, IMANEE, 21-23 October, 2021, Iasi, IOP Conf. Series: Materials Science and Engineering 1235 (2022) 012052
16. D Cojocaru, G Ianuș and V Cârlescu, Film thickness in miniature ball bearing grease lubricated, The 10th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2022) 09/06/2022 - 10/06/2022 Online, IOP Conf. Ser.: Mater. Sci. Eng. 1262 012005
17. B Chiriac, C M Oprisan, V Carlescu and D N Olaru, Friction coefficient between glass surfaces and soft materials, The 10th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2022) 09/06/2022 - 10/06/2022 Online, IOP Conf. Ser.: Mater. Sci. Eng. 1262 012004
18. Cârlescu Vlad, Tufescu Ana, Chiriac Bogdan, Gavril Cezara-Măriuca, Modelling of Static and Kinetic Friction Coefficient in Stick-Slip Motion, In: Machado J., Trojanowska J., Ottaviano E., Xavior M.A., Valášek P., Basova Y. (eds.) 4th International Conference Innovation in Engineering, ICIE 2025, 18 June 2025 - 20 June 2025, Prague, Lecture Notes in Mechanical Engineering IV, pp. 329-401;
19. Bogdan Chiriac, Cezara-Mariuca Oprisan, Vlad Carlescu, Dumitru N. Olaru, Static and dynamic friction coefficient for glass surfaces, pp.31-33, PROCEEDINGS of the 10th International Conference on Tribology BALKANTRIB'20, May 20 – 22,2021, Belgrade, Serbia
20. Vlad Cârlescu, Gheorghe Prisacaru, Ilie Diaconu, Dumitru Olaru, Electrostrictive effect in silicone based electroactive polymers, Proceedings of the 13th International Conference - Modern Technologies, Quality and Innovation MODTECH 2009 - New face of TMCR, 21 – 23 May 2009, Iași, România, pp. 28-31
21. Vlad Cârlescu, Gheorghe Prisăcaru, Ilie Diaconu, Dumitru Olaru, Experimental study of polydimethylsiloxane (PDMS) electrostrictivity, Proceedings of the 2nd International Conference on e-Health and Bioengineering - EHB 2009, Advancements

	of medical bioengineering and informatics , ed. ”Gr.T.Popa” University of Medecine and Pharmacy Iaşi, p.76-79, ISSN 2066-7590 22. Mihai Adrian Rusu, Daniela Ioniță, Marcelin Benchea, Vlad Cârlescu, Dumitru Olaru, ANALYTICAL MODEL FOR FRICTION FORCE BETWEEN A STEEL ROLLER AND A PLANE POLYMER SAMPLE IN SLIDING MOTION, 6th International Conference ”Computational Mechanics and Virtual Engineering” (COMEC 2015), 15-16 October 2015, Braşov, Romania, 383-388 23. A. Popescu, M. I. Nazare, V. Carlescu, D. N. Olaru, AN ENERGETIC METHOD TO DETERMINE EXISTENCE OF THE RACEWAY CONTROL IN AN ANGULAR CONTACT BALL BEARING OPERATING AT LOW AXIAL LOAD, 7th International Conference Computational Mechanics and Virtual Engineering COMEC 2017, 16-17 November 2017, Braşov, Romania, 34-39
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. PR/NE/2024/P1/RSO1.1_RSO1.3/1 - PROIECTE DE CDI ȘI INVESTIȚII ÎN IMM DEZVOLTAREA ȘI REALIZAREA UNEI INSTALAȚII INOVATOARE DESTINATĂ IMPLEMENTĂRII UNEI TEHNOLOGII AVANSATE DE ACOPERIRE CU STRATURI SUBȚIRI PENTRU FABRICAREA UNOR GEAMURI CU EFICIENȚĂ ENERGETICĂ SPORITĂ – TEGAS Beneficiar: BAHM CONSTRUCTII CIVILE SI INDUSTRIALE SRL Valoare totală: 26.273.934,31 RON Funcția în proiect: CS II 2. Contract tip RO-MD nr. 2SOFT/1.1/64/2020 din cadrul programului ”Joint Operational Programme Romania – Republic of Moldova 2014 – 2020”, titlu proiect „Cross Border Cooperation in Mecatronics Engineering Education”, acronim CBCinMEE Beneficiar principal: Universitatea Tehnică a Moldovei (UTM) Beneficiar secundar: Universitatea Tehnică ”Gheorghe Asachi” din Iași (TUIASI) Director proiect: conf.dr.ing. Gelu Ianus, TUIASI Valoare proiect: 590000 RON Perioada: 2021 - 2022 (curs mediu euro 4.9204/4.9456) (valoare anuala 3953551.9/196510.1RON) Echipa proiect: 9 membri Funcția în proiect: Master Development Specialist 2 3. Contract tip PN-III-P1-1.1-TE-2021-0156, UEFISCDI, titlu proiect Silicone-based modular artificial sensing skin for MMOD impact damage detection and evaluation system in spacecraft, acronym SilArtSkin Beneficiar: Institutul de Chimie Macromoleculară ”Pentru Poni” din Iași (ICMPP) Perioada: 05.2020 – 05.2024 (24 luni) Director proiect: dr. Bele Adrian Valoare proiect: 450000 RON (93750 Euro) Echipa proiect: 8 membri Funcția în proiect: Cercetător în mașini și instalații mecanice CSIII (cercetător postdoctoral) 4. PROIECT COFINANȚAT DE UNIUNEA EUROPEANĂ DIN FONDUL EUROPEAN STRUCTURAL ȘI DE INVESTIȚII PRIN PROGRAMUL OPERAȚIONAL CAPITAL UMAN 2014 – 2020 Axă prioritară: 6 - Educație si competențe Obiectiv specific: 6.13, 6.14 Stagii de practică elevi şi studenţi în sectorul agroalimentar, industrie şi servicii Titlu proiect: Studenti si elevi activi-angajati productivi! Nr. contract finanțare: POCU/90/6.13/6.14/109525 Beneficiar: LUGERA & MAKLER ROMÂNIA SRL în parteneriat cu BD MOESIA RESEARCH SRL Funcția în proiect: Mentor (COR 235902) 5. Convenție civilă de prestări de servicii Nr.2359/12.11.2009 Beneficiar: Continental Automotive Systems SRL Obicetivul convenției: Măsurători ale coeficientului de frecare pentru 5 perechi de materiale

Nume şi prenume cadru didactic/	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane,

cercetător ştiinţific (grad didactic, titlu ştiinţific)	seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Damian V. Cătălin **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. C. Damian, C. Zet, E. Danila, Minimizing the fir filter area used in a fpga power computing instrument, Buletinul AGIR nr. 3/2012, iunie-august, ISSN-L 1224-7928, Online: ISSN 2247-3548, BDI: INDEX COPERNICUS INTERNATIONAL 2. E. Danila, C. Damian, D.D. Lucahe, Energy management in a laboratory computer grid, Buletinul AGIR nr. 3/2012, iunie-august, ISSN-L 1224-7928, Online: ISSN 2247-3548, BDI: INDEX COPERNICUS INTERNATIONAL 3. C. Seliman, O. Plopa, C. Damian, M. Creţu, Urban environment influence on the surface water quality in the city of Iasi, publicată în volumul Lucrări Ştiinţifice, Seria Agronomie (cotata B+ CNCSIS şi recenzată CAB International - Anglia), nr. 52, sub egida editurii "Ion Ionescu de la Brad", 2009, ISSN 1454-7414, 461-466 4. O. Plopa, C. Seliman, C. Damian, Environmental parameters laboratory measurements with virtual instrumentation, publicată în volumul Lucrări Ştiinţifice, Seria Agronomie (cotata B+ CNCSIS şi recenzată CAB International - Anglia), nr. 52, sub egida editurii "Ion Ionescu de la Brad", 2009, ISSN 1454-7414, 436-441 5. C. Damian, Sistem de monitorizare a parametrilor de mediu utilizand tehnologii wireless pentru transmiterea datelor, Revista Tehnica Instalatiilor, pp. 18-20, ISSN 1582-6244, Anul X - Nr.2 (76), 2010, Bucuresti, Romania 6. V. Plopan, C. Damian, Sistem automat de monitorizare si prognoza consumuri energetice, Revista Masurari si Automatizari, pp. 48-49, ISSN 1582-2834, Anul IX - Nr. 3, 2009, Bucuresti, Romania
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. C. Fosalau, C. Damian, C. Zet, A high performance strain gage based on the stressimpedance effect in magnetic amorphous wires, Sensors and Actuators A: Physical, pp. 105-110, ISSN 0924-4247, 2013 2. C. Damian, M. Bordei, E.A. Tulbure, N. Munteanu, et. al., Composite Materials for Greenhouse Applications, MATERIALE PLASTICE, pp. 248-252, ISSN: 0025-5289, Decembrie, 2013, Bucuresti, Romania 3. C. Damian, C. Fosalau, Sources of indoor noise and options to minimize adverse human health effects, Environmental Engineering and Management Journal, March 2011, Vol.10, No.3, pp. 393-400, Print ISSN: 1582-9596 4. C. Fosalau, C. Damian, C. Zet, Pspice Model for Simulating the Giant Magnetoimpedance Effect in Magnetic Amorphous Wires, METROLOGY AND MEASUREMENT SYSTEMS, Vol XVI (2009), No. 1, pp. 171- 182, Index 330930, ISSN 0860-8229 5. C. Damian, D. Petrisor, C. Fosalau, C. Zet, Landslide Survailance Using A Wirelless Measurement Grid, în curs de apariţie, în Environmental Engineering and Management Journal, FI - 1,065. Scrisoare de acceptare şi recenzii în dosarul de concurs.
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. M. Dodon, C. Damian, hBag - Smart Assistant for Healthy Shopping, EPE 2022, pp. 1-4, , 2022, Iasi, Romania 2. C. Damian, D. Donu, Design and Implementation of the Control Unit for a Solar Heating System, Sielmen 2021, pp. 424-427, Oct 6-8, 2021, Iasi, Romania - conferinta ISI 3. A. Raducan, C. Damian, V. Vaduva, Using A* Algorithm for Autonomous Taxi Application, Sielmen 2021, pp. 428-432, Oct 6-8, 2021, Iasi, Romania - conferinta ISI

	4. C. Damian, A. Sofronie, L. Alboaie, SmartDPO - Template Based, Integrated Flow Document Management System, Sielmen 2021, pp. 213-218, Oct 6-8, 2021, Iasi, Romania - conferinta ISI 5. C. Damian, L. Alboaie, A. Iftene, Using WSN and Mobile Apps for Home and Office Ambient Monitoring and Control, International Conference on Human-Computer Interaction, pp. 42-46, 2501-9422, 8-9 Septembrie, 2016, Iasi, Romania 6. C. Damian, E. Lunca, M. Ilinca, Remote administration of hardware resources using TCP/IP Protocol and WEB technologies, EPE 2014, October, 16-18, 2014, Iasi, Romania 7. C. Damian, M. Ilinca, Implementation of Software Changes in Programming Techniques Learning, EPE 2014, October, 16-18, 2014, Iasi, Romania - Conferinta Internationala 8. E. Lunca, C. Damian, A. Salceanu, EMF exposure measurements on 4G/LTE mobile communication networks, EPE 2014, October, 16-18, 2014, Iasi, Romania 9. C. Zet, C. Fosalau, D. Petrisor, C. Damian, Landslide transducer based on amorphous wire strain gauges, 19th IMEKO TC-4 Measurements of Electrical Quantities, ISBN-10: 84-616-5438-2, Iulie, 2013, Barcelona, Spania 10. D. Petrisor, C. Fosalau, C. Zet, C. Damian, Measurement of Landslide Displacement and Orientation using Strain Gauges Based on Amorphous Magnetic Microwires, 19th IMEKO TC-4 Measurements of Electrical Quantities, pp. 655-660, ISBN-10: 84-616-5438-2, Iulie, 2013, Barcelona, Spania 11. C. Fosalau, C. Zet, D. Petrisor, C. Damian, A New Type of Highly Sensitive Strain Gage Based on Microstructured Magnetic Materials, 2013 International Symposium on Robotic and Sensors Environments, ROSE 2013, October, 21-23, 2013, Washington DC, USA 12. C. Damian, E. Lunca, C. Fosalau, Virtual Instrumentation for Measuring Amorphous Magnetic Wires Strain Gauges Characteristics, REV2012 - Remote Engineering & Virtual Instrumentation, 4-6 July 2012, IEEE Catalog Number: CFP1249T-USB, ISBN: 978-1-4673-2541-7, 195-199, Bilbao, Spain 13. E. Lunca, C. Damian, F. Mariut, Simplifying the Communication with I2C Devices Using LabVIEW and the PC's Parallel Port, REV2012 - Remote Engineering & Virtual Instrumentation, 4-6 July 2012, IEEE Catalog Number: CFP1249T-USB, ISBN: 978-1-4673-2541-7, 187-190, Bilbao, Spain 14. C. Damian, O. Postolache, J.M. Dias Pereira, C. Fosalau, P.S. Girao, Sensor Network for Water Quality Assesment, EPE 2012, pp. 849-852, ISBN: 978-1-4673-1171-7, October, 25-27, 2012, Iasi, Romania 15. E. Lunca, C. Damian, O. Postolache, D. Petrisor, Programmable Active Filters Based on Digital Potentiometers, EPE 2012, pp. 787-791, ISBN: 978-1-4673-1171-7, October, 25-27, 2012, Iasi, Romania 16. C. Damian, E. Lunca, A low area FIR filter for FPGA implementation, 34th International Conference on Telecommunications and Signal Processing (TSP), 2011, 18-20 Aug. 2011, ISBN: 978-1-4577-1410-8, pp. 521 –524, Budapesta, Ungaria 17. E. Danila, D.D. Lucache, C. Damian, Risks in change management of engineering higher education, The 6th International Seminar Quality Management in Higher Education – QMHE 2010, pp. 51-54, ISBN: 978-973-662- 568-8 18. C. Damian, C. Zet, C. Fosalau, Hybride networks for remote measurements and control in restricted areas, Proceedings of the 6th International Conference on Management of Technological Changes MTC2009, SEPTEMBER 3rd – 5th, 2009 ALEXANDROUPOLIS, GREECE, pp 481-484, ISBN 978-960-89832-6-7 19. C. Zet, C. Fosalau, C. Damian, Nanomaterials – a new challenge in building miniaturized measurement devices, Proceedings of the 6th International Conference on Management of Technological Changes MTC2009, SEPTEMBER 3rd – 5th, 2009 ALEXANDROUPOLIS, GREECE, pp 489-492, ISBN 978-960-89832-6-7

20. C. Damian, C. Fosalau, C. Zet, M. Ilinca, Efficient implementation of digital signal processing algorithms with field programmable gate arrays, Proceedings of the 6th International Conference on Management of Technological Changes MTC2009, SEPTEMBER 3rd – 5th, 2009 ALEXANDROUPOLIS, GREECE, pp 613-616, ISBN 978-960- 89832-6-7
21. C. Zet, C. Damian, C. Fosalau, Creating templates for preparing nanosensors, Proceedings of the 6th International Conference on Management of Technological Changes MTC2009, SEPTEMBER 3rd – 5th, 2009 ALEXANDROUPOLIS, GREECE, pp 761-764, ISBN 978-960-89832-6-7
22. C. Zet, C. Damian, C. Fosalau and I. Enculescu, Remote automated system for nanowire electrodeposition, 11th International Conference on Optimization of Electrical and Electronic Equipment OPTIM 2008, Brasov, ROMANIA, MAY 22-23, 2008, pp 101-105, ISBN 978-973-131-028-2
23. C. Zet, O. Plopa, C. Damian, C. Fosalau, Virtual impedance spectroscopy for electrolytical cells, 16th IMEKO - TC4 International Symposium – Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Sept. 22-24, 2008 - Florence, Italy, pp 651-656, ISBN 978-88-903149-3-3
24. D. Costineanu, C. Fosalau, C. Damian, O. Plopa, Triangulation-based 3D image processing method and system with compensating shadowing errors, 16th IMEKO - TC4 Symposium – Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Sept. 22-24, 2008 - Florence, Italy, pp 460-463, ISBN 978-88-903149-3-3
25. C. Damian, C. Zet, C. Fosalau, M. Cretu, Real, Reactive and Apparent Power Computing Using FPGA and PWM Intermediary Conversion, 16th IMEKO - TC4 Symposium – Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements, Sept. 22-24, 2008 - Florence, Italy, pp 301-304, ISBN 978- 88-903149-3-3
26. C. Zet, C. Damian, C. Foşalău, V. Ilie, M. Creţu, Advances in remote monitoring, 5th International Conference MTC 2007 Management of Technological Changes, August 25th - 26th, 2007 Alexandroupolis, Greece, pp 147- 156, ISBN 978-960-8932-0-5
27. A.S. Fiorillo, C. Fosalau, G. Scarfone, C. Damian, A Remote Web System for Testing PVDF Sensors, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, 19 - 21 September 2007, pp 509-513, ISBN 978-973-667-260-6
28. C. Damian, C. Zet, C. Fosalau, Virtual Potentiostat, 15th IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, 19 - 21 September 2007, pp 596-600, ISBN 978-973-667-260- 6
29. C. Damian, C. Fosalau, C. Zet, Wireless Communication System for Environmental Monitoring, 1st IMEKO TC19 Symposium on Measurements and Instrumentation for Environmental Monitoring, Iasi, Romania, 19 - 21 September 2007, pp 108-112, ISBN 978-973-667-263-7
30. C. Zet, C. Damian, C. Fosalau, New type ADC using PWM intermediary conversion, 12th Workshop on ADC Modelling and Testing, Iasi, Romania, 19 - 21 September 2007, pp 113-117, ISBN 978-973-667-264-4
31. C. Damian, C. Foşalău, C. Zet, M. Creţu Methods for Compensation of analog-to-digital converters errors, Proceedings of the 5th International conference on electromechanical and power systems SIELMEN 2005, Chisinau-Moldova, 6-8 oct. 2005, pp. 304-307, ISBN 973-716-208-0
32. C. Zet, C. Damian, C. Foşalău An FPGA based peak detector for magnetostrictive current sensors, IMEKO TC4 Symposium on Novelties in Electrical Measurements and Instrumentation, Jurata-Gdynia, Poland, 12th-15th September, 2005, pp. 179-183, ISBN 83-89786-37-0
33. C. Foşalău, C.Zet, M.Temneanu, C. Damian, Implementation of a measurement function using programmable logic devices, Proceedings of the 4th International Conference on Electromecanical and Power Systems SIELEMEN 2003, Chişinău,

	September 26-27, 2003, pp.121-123, ISBN 9975-9704-9-4 34. C. Damian, C. Fosalau, Utilizarea circuitelor logice programabile în cadrul sistemelor digitale, Concursul National de Referate si Comunicări Stiintifice „Stefan Procopiu" 2009, Piatra Neamt, Romania 35. C. Damian, Sisteme moderne pentru monitorizarea parametrilor de mediu, Simpozionul Naţional "Viitorul este în mâinile noastre", ediţia I, Liceul Teoretic G. Ibrăileanu, Iaşi, 2009.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Platformă blockchain pentru asigurarea securității și autenticității informațiilor metrologice , Schema de granturi IDEI DE PROIECT, competiție organizată în cadrul TUIASI, 2021, 6 luni - director proiect 2. Cercetari privind tehnicile de masurare cu procesare numerica a semnalului, PN II TD, 59/2007, 2007- 2009, 3 ani, director proiect 3. Metodologie dielectrica nedistructiva, neinvaziva, comparativa de detectare rapida a ingredientilor cu potential factor de risc pentru sanatate din produsele alimentare, PN II Parteneriate, 51-015/2007, 2007-2010, 4 ani, membru în echipa de cercetare 4. Sistem complex de monitorizare a alunecarilor de teren utilizând traductoare bazate pe noi materiale şi tehnologii, PN II Parteneriate, 63/2012, 2012-2016, 5 ani, membru în echipa de cercetare 5. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil, PN III ERA NET, 83/2016, 2016-2018, 1 an, membru în echipa de cercetare 6. Extinderea posibilitatilor de masurare continua on-line a parametrilor poluanti din apa si aer pentru un laborator de mediu, CEEX, 110/10.08.2006, 2006-2007, 2 ani, membru în echipa de cercetare 7. Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulara sau liniara, CEEX, 51/2006, 2006-2008, 3 ani, membru în echipa de cercetare 8. Remote instrumentation in next-generation grids, CEEX, 132/2007, 2007-2008, 2 ani, membru în echipa de cercetare 9. Dezvoltarea parteneriatelor c/d prin includerea excelentei romanesti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protectie la radiatii electomagneice in domeniul ghz, CEEX, 202/2006, 2006-2008, 3 ani, membru în echipa de cercetare 10. Ecrane pentru constructii speciale bazate pe structuri chiral-fagure, CEEX, 46/2006, 2006-2008, 3 ani, membru în echipa de cercetare 11. Sistem integrat de inspectie video-inteligenta a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii, CEEX, 57/2006, 2006-2008, 3 ani, membru în echipa de cercetare 12. Nanofire de oxizi metalici semiconductori magnetici diluati, Colborative CEEX, 1/2006, 2007-2008, 2 ani, membru în echipa de cercetare 13. Electrospining de inalta eficienta, Colborative PN II, 159/2012, 2012-2016, 5 ani, membru în echipa de cercetare 14. Dezvoltarea parteneriatelor C/D in vederea promovarii unor proiecte europene in domeniul sistemelor distribuite de monitorizare a mediului, CEEX, 201/2006, 2006-2008, 3 ani, membru în echipa de cercetare 15. Fotodetectori bazati pe nanofire multisegment, Colborative PN II, 11-060/2007, 2008-2010, 3 ani, membru în echipa de cercetare

	16. Senzori bazati pe elemente de detectie nanometrice pentru aplicatii în nano-medicina, Colborative PN II, 12-109/2008, 2009-2011, 3 ani, membru în echipa de cercetare 17. Microsenzori acustici pe baza de nanofire magnetostrictive pentru aplicatii medicale, Colborative PN II, 14-114/2008, 2011-2011, 1 an, membru în echipa de cercetare 18. Microsenzori magnetici implantabili pentru aplicaţii medicale (MEDISENS), Colborative PN II, 12- 110/2008, 2011-2011, 1 an, membru în echipa de cercetare 19. Microtraductoare cu elemente sensibile bazate pe nanofire magnetice, Colborative CEEX, 75-157/2008, 2009-2011, 3 ani, membru în echipa de cercetare 20. Nanofire multistrat cu structura de tip valva de spin. Proprietati de magnetorezistenta gigant., CNCSIS, 21/2005, 2006-2007, 2 ani, membru în echipa de cercetare **21.** Sistem automat de iradiere a filmelor polimerice cu un numar prestabilit de ioni, CNCSIS, 164/2006, 80/2007, 2006-2007, 2 ani, membru în echipa de cercetare

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Irimia D. Dănuț Constantin **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)** 1. Ortner R., Dinarès-Ferran J., Irimia DC., Guger C. (2021), Towards Improved Vibro-Tactile P300 BCIs. In: Kurosu M. (eds) Human-Computer Interaction. Interaction Techniques and Novel Applications. HCII 2021. Lecture Notes in Computer Science, vol 12763. Springer, Cham 2. Poboroniuc MS., Irimia DC., Popescu G. (2021), Rehabilitation Aims and Assessed Brain Activity by Means of Brain-Computer Interfaces in People in a Vegetative State - Preliminary Results. In: Kurosu M. (eds) Human-Computer Interaction. Theory, Methods and Tools. HCII 2021. Lecture Notes in Computer Science, vol 12762. Springer, Cham; 3. Poboroniuc MS., Irimia DC. (2020) Intelligent Functional Electrical Stimulation. In: Costin H., Schuller B., Florea A. (eds) Recent Advances in Intelligent Assistive Technologies: Paradigms and Applications. Intelligent Systems Reference Library, vol 170. Springer, Cham. 4. Christoph Guger, Rossella Spataro, Jitka Annen, Rupert Ortner, Danut Irimia, Brendan Allison, Vincenzo La Bella, Woosang Cho, Günter Edlinger, Steven Laureys, Brain–Computer Interfaces for Motor Rehabilitation, Assessment of Consciousness, and Communication, In book: Brain–Computer Interfaces Handbook, Imprint: CRC Press, Taylor & Francis Group, 2018. 5. Ren Xu, Brendan Z. Allison, Rupert Ortner, Danut C. Irimia, Arnau Espinosa, Alexander Lechner & Christoph Guger (2017). How Many EEG Channels Are Optimal for a Motor Imagery Based BCI for Stroke Rehabilitation?. In: Ibáñez, J., González- Vargas, J., Azorín, J., Akay, M., Pons, J. (eds) Converging Clinical and Engineering Research on Neurorehabilitation II. Biosystems & Biorobotics, vol 15. Springer, Cham. 6. Nirvana Popescu, Marian Poboroniuc, Decebal Popescu, Dănuț Irimia, Alexandru Valer Grigoraș, “Intelligent system for after-stroke home rehabilitation” – book chapter 14 in “Enhanced Living Environments: From Models to Technologies”, editors Rossitza Ivanova Goleva, Ivan Ganchev, Ciprian Dobre, Nuno Garcia and Carlos Valderrama, IET Publishing, ISBN: 978-1-78561-211-4, pp. 345-367, 2017., Indexed IET Digital Library.

	7. Sabathiel, N., Irimia, D.C., Allison, B.Z., Guger, C., Edlinger, G. (2016). Paired Associative Stimulation with Brain-Computer Interfaces: A New Paradigm for Stroke Rehabilitation. In: Schmorrow, D., Fidopiastis, C. (eds) Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. AC 2016. Lecture Notes in Computer Science(), vol 9743. Springer, Cham. https://doi.org/10.1007/978-3-319- 39955-3_25 8. Rupert Ortner, Danut C. Irimia, Christoph Guger, Guenter Edlinger, "Human Computer Confluence in BCI for Stroke Rehabilitation", Proceedings of the 9th International Conference, AC 2015, Held as Part of HCI International 2015, Los Angeles, CA, USA, August 2-7, 2015, book chapter in "Foundations of Augumented Cognition", Volume 9183 of the series Lecture Notes in Computer Science pp 304-312, Editors: Dylan D. Schmorrow, Cali M. Fidopiastis, DOI: 10.100`7/978-3-319-20816- 9_29, Print ISBN: 978-3-319-20815-2, Online ISBN: 978-3-319-20816-9, Series Title: Lecture Notes in Computer Science, Series Volume: 9183, Series ISSN: 0302-9743, Publisher: Springer International Publishing, Copyright: Springer International Publishing Switzerland, 2015. 9. Popescu D., Selisteanu D., Poboroniuc M., Irimia D.C., Robotics application within bioengineering: Neuroprosthesis test bench and model based neural control for a robotic leg, Proceedings of the 3rd International Conference on Intelligent Decision Technologies (IDT´ 2011), INTELLIGENT DECISION TECHNOLOGIES (book chapter), J. Watada et al. (Eds.), Vol.10, Part 1, pp.283-294, ISSN 2190-3018, ISBN 978-3-642-22193-4, e-ISBN 978-3-642-22194-1, DOI 10.1007/978-3-642-22194-1, 2011, Edited by Springer-Verlag Berlin Heidelberg, 2011. 10. Irimia D.C, Poboroniuc M. S., Motor Imagery Based BCI Approach to Control Neuroprostheses, in Proceedings of the International Workshop FIHS2012- "Fostering Innovation in Healthcare Services", March 14-15, 2012, Brasov, Romania, FIHS Book chapter, pp. 113-118, Editors: Theodor Borangiu, Radu Dobrescu, Editura Universitara Carol Davila, ISBN: 978-973-708-659-4, 2012. 11. Danut Constantin Irimia, Marian Silviu Poboroniuc, Elemente de Analiză și Control în Sisteme Tip Interfața Creier-Claculator, Editura PIM, Iași, ISBN 978-606-13- 7332-1, 2022. 8*222/2*100
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Adrian Sorin Mihalache, Alexandru Catalin Paslaru, Marian Silviu Poboroniuc, Danut Constantin Irimia, Iulian Stoleru, Leon Zagrean, POSSIBLE ELECTROPHYSIOLOGICAL CHANGES INDUCED BY THE PRACTICE OF PRAYER IN ORTHODOX CHRISTIAN TRADITION, Fiziologia - Physiology • 2024.1(106), ISSN 1223-2076, indexat EBSCOhost. 2. Danut C. Irimia, Marian S. Poboroniuc, Florin Serea, Sergiu Hartopanu, Preliminary tests of a new hybrid FES-Exoskeleton assisting device for the upper limb in stroke patients, Buletinul Institutului Politehnic din Iasi, Universitatea Tehnica "Gheorghe Asachi" din Iasi, Tomul LXI (LXV), Fasc. 4, 2015, sectia Electrotehnica. Energetica. Electronica., Index Copernicus. 3. Iuliana Paşol, Dănuţ-Constantin Irimia, Dumitru Popescu, Correlations between muscle contraction and bone electrical activity, Romanian Journal of Biophysics, vol 24 (3), pp. 185-197, 2014. 4. Iuliana Pașol, Dănuț-Constantin Irimia, Dumitru Popescu, Electrical activity in bone: comparative research made to active persons versus sedentary persons, Discobolul – Physical Education, Sport and Kinetotherapy Journal, Vol. X no. 3 (37), pp. 46-51, 2014. 5. Ortner R., Irimia D.-C., Scharinger J., Guger C. (2012 b), A Motor Imagery based Brain-Computer Interface for Stroke Rehabilitation, Annual Review of Cyber Therapy and Telemedicine 2012 – Advanced Technologies in the Behavioral, Social and Neurosciences, Editors: Brenda K. Wiederhold and Giuseppe Riva, IOS Press, pp. 319-323, DOI: 10.3233/978-1-61499-121-2-319, 2012.

	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele G și H din Anexa A.3.7)
	1. Hayta, Ünal, Danut Constantin Irimia, Christoph Guger, İbrahim Erkutlu, and İbrahim Halil Güzelbey. 2022. "Optimizing Motor Imagery Parameters for Robotic Arm Control by Brain-Computer Interface" Brain Sciences 12, no. 7: 833. https://doi.org/10.3390/brainsci12070833, Factor de Impact: 3,333. 2. Alin Moldoveanu, Oana-Maria Ferche, Florica Moldoveanu, Robert Gabriel Lupu, Delia Cinteza, Danut Constantin Irimia, and Corneliu Toader, "The TRAVEE System for a Multimodal Neuromotor Rehabilitation", IEEE Access, Vol. 7, pp. 8151-8171, Electronic ISSN: 2169-3536, DOI: 10.1109/ACCESS.2018.2886271, Impact factor (2018): 4.098. 3. Irimia, D. C., Cho, W., Ortner, R., Allison, B. Z., Ignat, B. E., Edlinger, G. and Guger, C. (2017), "Brain-Computer Interfaces With Multi-Sensory Feedback for Stroke Rehabilitation: A Case Study". Artificial Organs, 41, pp. E178–E184. doi:10.1111/aor.13054, Online ISSN: 1525-1594, ISI Journal Citation Reports Ranking: 2018: 15/25 (Transplantation); 37/80 (Engineering Biomedical), Impact factor (2018): 2.379. 4. Robert Gabriel Lupu, Danut Constantin Irimia, Florina Ungureanu, Marian Silviu Poboroniuc, and Alin Moldoveanu, "BCI and FES Based Therapy for Stroke Rehabilitation Using VR Facilities," Wireless Communications and Mobile Computing, vol. 2018, Article ID 4798359, 8 pages, 2018. https://doi.org/10.1155/2018/4798359, Impact factor (2018) 1.396. 5. A. V. Grigoras, D. C. Irimia, M. S. Poboroniuc, C. D. Popescu: „Testing of a Hybrid FES-Robot Assisted Hand Motor Training Program in Sub-Acute Stroke Survivors". Advances in Electrical and Computer Engineering 01/2016; 16(4):89-94., DOI:10.4316/AECE.2016.04014., Impact factor (2018): 0.650.
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Mitocaru Alexandru, Buzamat Alexandru, Poboroniuc Marian-Silviu, Irimia Danut Constantin, Baciu Alina Georgiana, "Brain Computer Interface Controlled Humanoid Robot," 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, 2024, pp. 1-4, doi: 10.1109/EHB64556.2024.10805718. 2. M. Poboroniuc, D. Irimia, R. Ionașcu, A. I. Roman, A. Mitocaru and A. Baciu, "Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke," 2021 International Conference on e-Health and Bioengineering (EHB), 2021,pp. 1-4, doi: 10.1109/EHB52898.2021.9657726. 3. R. Ionașcu, A. -I. Roman, M. -S. Poboroniuc, D. -C. Irimia and A. Mitocaru, "A Smart FES and Mechatronic Glove System MANUTEX Aiming for Recovery of the Upper Limb in Stroke People," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 293-298, doi: 10.1109/SIELMEN53755.2021.9600438. 4. A. Mitocaru, M. -S. Poboroniuc, D. Irimia and A. Baciu, "Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-5, doi: 10.1109/SIELMEN53755.2021.9600389. 5. S Cazan, D Chirita, C Stamate, D Irimia, A Burlacu and I Doroftei, Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results, IOP Conference Series: Materials Science and Engineering, Volume 997, The 9th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2020 4-5 June 2020, Iași, Romania 6. A. -I. Roman, M. -S. Poboroniuc, D. Sticea and D. -C. Irimia, "Improved Software and Hardware of a Device Aiming to Assess Hand Movements During Rehabilitation in Hemiparetic People," 2020 International Conference on e-Health and Bioengineering (EHB), 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9279875. 7. A. -I. Roman, M. -S. Poboroniuc, D. Sticea and D. -C. Irimia, "A Novel Hardware and Software Interface for a Grip Force Tracking System," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp.

646-651, doi: 10.1109/EPE50722.2020.9305590.
8. I Doroftei, C M Racu, C Honceriu and D Irimia, A one-degree-of freedom ankle rehabilitation platform, IOP Conf. Ser.: Mater. Sci. Eng. 591 012076;
9. D. C. Irimia, A. Mitocaru, A. G. Baciu and M. Silviu Poboroniuc, "Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility," 2019 E-Health and Bioengineering Conference (EHB), 2019, pp. 1-4, doi: 10.1109/EHB47216.2019.8969966.
10. Georgel Arhip, Ion Dafinoiu, Gabriela Assante, Dan Filimon, Danut Irimia, Psychophysiological effects of practicing static qigong meditation in breast cancer survivors, Bulletin of integrative Psychiatry,No.3(82), September 2019, indexed Index Copernicus, DOAJ, ErihPlus, CEEOL
11. Irimia DC, Ortner R, Poboroniuc MS, Ignat BE and Guger C (2018) High Classification Accuracy of a Motor Imagery Based Brain-Computer Interface for Stroke Rehabilitation, Training. Front. Robot. AI 5:130. doi: 10.3389/frobt.2018.00130
12. M. -S. Poboroniuc, D. -C. Irimia, A. Baciu, T. Bondar, I. Alexandra Niţică and A. E. Piseru, "A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 0523-0528, doi: 10.1109/ICEPE.2018.8559951.
13. M.S. Poboroniuc, D.C. Irimia, I-C. Poboroniuc, A. Curteza, L. Macovei, V. Cretu, B.E. Ignat, M. Buzdugan, Manufacturing and clinically testing embedded electrodes in knitted textiles for neurorehabilitation, 2017 International Conference on Electromechanical and Power Systems (SIELMEN), 11-13 October 2017, pp.68-73, DOI: 10.1109/SIELMEN.2017.8123294, indexed IEEExplore."
14. Poboroniuc M.S., Irimia D.C., FES&BCI based rehabilitation engineered equipment: Clinical tests and perspectives, E-Health and Bioengineering Conference (EHB), 2017, Sinaia, Romania, DOI: 10.1109/EHB.2017.7995365. IEEE Xplore
15. Marian Poboroniuc, Danut Irimia, Antonela Curteza, Viorica Cretu, Laura Macovei, Improved Neuroprostheses by Means of Knitted Textiles Electrodes Used for Functional Electrical Stimulation, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEExplore and Reuters WOS, pp.320-325, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S- USB, DOI: 10.1109/ICEPE.2016.7781355
16. Danut Irimia, Marian Poboroniuc, Sergiu Hartopanu, Daniel Sticea, Georgel Paicu, Bogdan E. Ignat, Post-Stroke Hand Rehabilitation Using a Hybrid FESRobotic Glove, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed BDI IEEExplore and Reuters WOS, pp.356-359, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781362
17. Danut Irimia, Marian Poboroniuc, Florin Serea, Alina Baciu, Radu Olaru, Controlling a FES-EXOSKELETON Rehabilitation System by Means of Brain- Computer Interface, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEExplore and Reuters WOS, pp.352-355, 20- 22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781361
18. D. Irimia, N. Sabathiel, R. Ortner, M. Poboroniuc, W. Coon, B. Z. Allison, C. Guger: recoveriX: A new BCI-based technology for persons with stroke. 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC); 08/2016, DOI:10.1109/EMBC.2016.7590995, indexed IEEEXplore.
19. Andrei Stan, Danut Constantin Irimia, Nicolae Alexandru Botezatu, Robert Gabriel Lupu: Controlling a hand orthosis by means of P300-based brain computer interface. 2015 E-Health and Bioengineering Conference (EHB); 11/2015, DOI:10.1109/EHB.2015.7391389, article indexed IEEE XPlore.
20. Florin Serea, Poboroniuc M. S., Sergiu Hartopanu, Danut Irimia, Towards Clinical Implementation of an

FES&Exoskeleton to Rehabilitate the Upper Limb in Disabled Patients, 2015, International Conference on Control Systems and Computer Science (CSCS), May 2015, Bucharest, Romania, pp.827-832, DOI: 10.1109/CSCS.2015.114, indexed IEEExplore.

21. Hartopanu S., Poboroniuc M. S, Serea F., Irimia D.C., Livint G. New Issues on FES and Robotic Glove Device to Improve the Hand Rehabilitation in Stroke Patients, Proc. of 6th International Conference on Modern Power System 2015, 18-21 May 2015, Cluj Napoca, Romania, in Acta Electrotehnica, vol.56, No.3, pp.123-127, 2015, ISSN 1841-3323, ISSN 2344-5637, indexed Google Scholar

22. Lucache D.D., Lucache B., Irimia D., Poboroniuc M., Preliminary EEG Based Analysis of Few Acupoints Used in the Chronic Low Back Pain Treatment, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH2014, IFMBE Proceedings vol.44, S. Vlad and R.V. Ciupa (eds.), Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319- 07653-9_50, pp.247-250, 2014.

23. Danut C. Irimia, Marian S. Poboroniuc, Iuliana Pasol, Rupert Ortner, Correlations Between Muscular Contraction Type and Muscle Electrical Activity, in Proceedings of 8th International Conference and Exposition on Electrical and Power Engineering, IEEE Catalog Number CFP-1447S-USB, Iasi, Romania, ISSN: 978-1- 4799-5848-1, 2014, DOI: 10.1109/ICEPE.2014.6969956 , pp. 488-491, October 16-18, Iasi, Romania, 2014.

24. Serea F.,Poboroniuc M. S., Irimia D.C., Hartopanu S., Olaru R., Preliminary Results on a Hybrid FES-Exoskeleton System Aiming To Rehabilitate Upper Limb in Disabled People, in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia, Romania, 11-13 October 2013, pp.722-727, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689046, 2013.

25. Hartopanu S., Poboroniuc M. S., Serea F., Irimia D.C., Livint G., Design of a Hybrid FES-Mechanical Intelligent Haptic Robotic Glove, in Proceedings of the 17th International Conference on Systems Theory, Control and computing ICSTCC2013, Sinaia, Romania, 11-13 October 2013, pp.687-692, ISBN 978-1-4799-2228-4, ISBN 978-1-4799-2227-7, IEEE catalog Number CFP1336P-CDR, DOI: 10.1109/ICSTCC.2013.6689040, 2013.

26. Irimia D.C., Poboroniuc M. S., Ortner R., Improved method to Perform FES&BCI Based rehabilitation, in Proceedings of the 4th IEEE International Conference on e- Health and Bioengineering EHB2013, Iasi, Romania, 21-23 November 2013, pp.1-4, ISBN 978-1-4799-2373-4, DOI: 10.1109/EHB.2013.6707384, 2013.

27. Poboroniuc M. S., Irimia D.C, Popescu N., Popescu Dorin, Engineered devices to support stroke rehabilitation, in Proceedings of the 19thInternational Conference on Control Systems and Computer Science CSCS19, 29-31 May 2013, Bucharest, Romania, pp. 289-295, DOI 10.1109/CSCS.2013.44, Published by the IEEE Computer Society, ISBN: 978-0-7695-4980-4, 2013.

28. Espinosa A., Ortner R., Irimia D., Guger C., Rehabilitation through Brain Computer Interfaces: Classification and feedback study, Proceedings of the 4th International Joint Conference on computational Intelligence 5-7 October 2012, Barcelona, Spain, pp. 692-697, ISBN: 978-989-8565-33-4, DOI: 10.5220/0004183906920697, 2012, indexed SCITEPRESS.

29. Ortner R., Irimia D.C., Scharinger J., Guger C., Brain-Computer Interfaces for stroke rehabilitation: evaluation of feedback and classification strategies in healthy users, Proceedings of the Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics – BIOROB 2012 June 24-27, 2012, Roma, Italy, pp 219-223, ISBN: 978-1-4577-1198-5/12/$26.00 ©2012 IEEE, 2012.

30. Irimia D.C., Ortner R., Krausz G., Guger C., Poboroniuc M., 2012, BCI Application in Robotics Control, 14th IFAC Symposium on Information Control Problems in Manufacturing, Bucharest, Romania, 23-25 May, 2012, Proceedings Volumes by Elsevier Ltd on IFAC-PapersOnLine.net, Information Control Problems in Manufacturing, Vol.14, Part.1, pp. 1-6, ISSN:

1474-6670; ISBN: 978-3-902661-98-2, Digital Object Identifier: 10.3182/20120523-3-RO-2023.00432, 2012
31. Irimia D.C, Poboroniuc M. S., Stefan C.M., Livint Gh., Voice Controlled Neuroprosthesis System, in Proceedings of the 12th Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON 2010, May 27-30, 2010, Chalkidiki, Greece, IFMBE Proceedings vol.29, p. 426 ff., ISSN: 1680-0737, ISBN: 978-3-642-13038-0, DOI: 10.1007/978-3-642-13039-7_107, 2010.
32. Poboroniuc M. S., Stefan C.M., Livint Gh., Irimia D.C., Issues on mechatronic devices aiming to test neuroprosthesis, in Proceedings of the 2009 Advanced Technologies for Enhanced Quality of Life - AT-EQUAL 2009, July 22-26, 2009, Iasi, Romania, IEEE Computer Society Order Number P3753, pp.23-27, ISBN-13: 978-0- 7695-3753-5, 2009.
33. Lechner. A, Ortner. R., Irimia D.-C, Guger C., Multi-modal feedback for BCI based stroke rehabilitation: a case study, in Proceedings of the XXIV Brazilian Congress on Biomedical Engineering – CEB2014, 13-17 October, Uberlandia, MG, Brasil, 2014. ISSN 2359-3164, http://cbeb.org.br/CBEB2014/index.php/en/, 2014.
34. Espinosa A., Ortner R., Guger C., Irimia D.C, Brain Computer Interfaces as Stroke Rehabilitation Tools: Optimization of current strategies, Proceedings of The Fifth International Conference on Advanced Cognitive Technologies and Applications (COGNITIVE 2013), May 27 – June 1, Valencia, Spain, pp. 42-47, ISBN: 978-1- 61208-273-8, 2013.
35. Irimia D.C., Poboroniuc M. S., Stefan C.M., Livint Gh., Voice Control of a mechanical limb, in Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, October 28-30, 2010, Iasi, Romania, EPE2010 Proceedings vol.II, pp. 371-374, ISBN: 978-606-13-0078-5, 2010.
36. Ionascu S.D., Ionascu R., Poboroniuc M. S., Irimia D.C, Stefan C.M., European cooperation to improve electrical teaching process in mechatronics – robot technologies as a key for learning: ROKEY Comenius multilateral school partnership, in Proceedings of the 3rd International Symposium on History of Electrical Engineering and Tertiary Level Engineering Education IEEI2010, October 27-29, 2010, Iasi, Romania, IEEI2010 Proceedings, pp. 23-27, ISBN: 978-606-13-0052-5, 2010.
37. Poboroniuc M. S., Stefan C.M., Livint Gh., Irimia D.C, Chirila A.M., Voice recognition control in mobile robots and neuroprosthesis, in Proceedings of the 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, October 8-9, 2009, Iasi, Romania, Volume 2, pp.II-141 – II-144, general ISBN: 978- 606-520-618-2, ISBN vol.II: 978-606-520-623-6, 2009.
38. Chirila M.A., Irimia D., Comanda wireless a unui robot mobil hexapod, ELstudIS Iasi, Octombrie 6-7, Volum de lucrari editat de Editura PIM Iasi, Editor G. Baluta,
39. Chirila M., Irimia D., 2009, Car binacle devices voice control emulated on a mobile robot - ROBVOICE, StudING Tg. Jiu, Volum de lucrari editat de Editura ACADEMICA BRANCUSI, pp.16-23, ISSN 1844-3249, Aprilie 27- Mai 3, 2009, Targu Jiu, Romania, 1st prize - StudING student competition, 2009.
40. Ştefan M.Ciprian, Poboroniuc M., Livint Gh., Irimia D., A New FES-Based Fuzzy Logic Control Strategy Aiming to Support Standing in Paraplegia, Proceedings of the 13th Annual Conference of the International Functional Electrical Stimulation Society, September 21-25, 2008, Freiburg, Germany, Published in Biomedizinische Technik/Biomedical Engineering, Vol. 53 (2008), Supplement 1, pp. 153-155, ISSN 0939-4990, 2008.
41. Poboroniuc M., Paicu G., Stefan C., Irimia D., 2008, A mechatronic device to teach neuroprosthesis control, COMEFIM'9: The 9th International Conference on Mechatronics and Precision Engineering, Bulletin of the Polytechnic Institute of Iasi, tom LIV (LVIII), Fasc.4, pp.1-6, Section Machine Manufacturing, Iasi, Romania, ISSN 1011-2855, , June 12-14, 2008.
42. Poboroniuc M., Paicu G., Stefan C.., Irimia D., A laboratory bench to test a neuroprosthesis control prior to using it on

	paraplegics, Proceedings of the 6th European Symposium on Biomedical Engineering, ESBME 2008, 19-21 iunie 2008, Chania, Greece, CD proceedings, Univ. of Patras, 2008. 43. Stefan C., Poboroniuc M., Livint Gh., Irimia D., FES-based fuzzy logic controller to support standing in paraplegia, Proceedings of the 6th European Symposium on Biomedical Engineering, ESBME 2008, 19-21 iunie 2008, Chania, Greece, CD proceedings, Univ. of Patras, 2008. 44. Irimia Danut, Stefan C., Poboroniuc M., Luiuz M., Roman C., 2007, Mobile robot control in obstacles avoidance tasks by means of a Motorola-based hardware platform, 6th International Conference on Electromechanical and Power Systems, 4-6 October, Chisinau, Republic of Moldavia, in Annals of the University of Craiova, Electrical Engineering Series: No.31, vol.I, pp. 186-189, Universitaria Publishing House, 2007, ISSN: 1842-4805, 2007. 45. Irimia D., Mihalache G., 2008, Robot mobil controlat prin logica fuzzy in actiuni de ocolire a obstacolelor, StudING Tg. Jiu, Volum de lucrari editat de Editura ACADEMICA BRANCUSI, pp.28-32, ISSN 1844-3249, Targu Jiu, Aprilie 18-20, 2008. 46. Stefan Ciprian, Poboroniuc M., Irimia D., Luiuz M., Roman C., Motorola based system to control a mobile robot in obstacles avoidance task by means of fuzzy logic, Proceedings of the 16th International Workshop on Robotics in Alpe-Adria-Danube Region, 7-9 June 2007, Ljubljana, Slovenia, 2007.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. M.S. Poboroniuc, C. Bulboaca, D.C. Irimia, A. Bulboaca, R. Olaru, HYBRID MECHATRONIC SYSTEM - NEUROPROSTHESIS EXOSLIM FOR ARM RECOVERY IN PATIENTS WITH NEUROMOTOR IMPAIRMENT, Patent: RO130961-A2, 2014.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Proiect TE 114 din 09/09/2020 (PN-III-P1-1.1-TE-2019-1753), SISTEM HIBRID BCI-EXOSCHELET PENTRU RECUPERAREA MEMBRELOR SUPERIOARE, Danut Constantin Irimia – Director, Membri : Marian S. Poboroniuc, Alina G. Baciu, Daniel A. Sticea, Andrei I. Roman, Piseru Andrei. 2. Proiect tip PNIII nr. 25PTE/2020, Mănuşi mecatronice textile inteligente pentru recuperarea mâinii la persoanele cu accident vascular cerebral, Danut Irimia – membru. 3. SISTEME INTELIGENTE PENTRU MONITORIZAREA LA DISTANTA A PROCESELOR DE RECUPERARE BAZATE PE FES-ARMS – Proiect PN II Parteneriat 71-095/2007 – membru echipa (2007-2010) 4. PRODUSE TEXTILE FUNCTIONALE PENTRU INCALZIRE SI ALTE APLICATII INTELIGENTE – Colaborare PN II Inovare, 317E/2012 – membru echipa. (2012-2015) 5. AN INTELLIGENT HAPTIC ROBOT GLOVE FOR THE PATIENTS SUFFERING A CEREBROVASCULAR ACCIDENT – Colaborare PN II Parteneriat, 150/2012 – membru in echipa. 6. MATERIALE TEXTILE INOVATIVE CU ELECTROZI INCORPORATI PENTRU RECUPERAREA PRIN STIMULARE ELECTRICA FUNCTIONALA A PERSOANELOR CU DIZABILITATI. Parteneriat PN II, 267/2014 – membru in echipa 7. TERAPEUT VIRTUAL PRIN FEEDBACK AUGUMENTAT PENTRU RECUPERAREA NEUROMOTORIE, Colaborare PNII Parteneriat, 1/2014, membru in echipa.

Nume şi prenume cadru didactic/	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane,

cercetător ştiinţific (grad didactic, titlu ştiinţific)	seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Livadaru I. Leonard-Mihail **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. Ionut Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41- 50, 2023, doi:10.4316/AECE.2023.04005 2. L. Livadaru, A. Munteanu , Al. Simion, B. Virlan, S. Benelghali Study on the Fault- Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator, Advances in Electrical and Computer Engineering, Vol. 14, Iss. 2, p. (77-84), may 2014, ISSN 1582-7445 3. Al. Simion, L. Livadaru, R.-V. Cociu, A. Munteanu, Study of the Three-Phase Induction Machine under Dynamic Braking, Rev. Roum. Sci. Tech. – Electrotech. Et Energ., 58, 3, p. 273-283, Bucarest, 2013, ISSN 0035-4066 4. B. Virlan, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, IEEE Transactions on Energy Convertion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969 5. L. Livadaru, Al. Simion, A. Munteanu, M. Cojan, O. Dabija, Dual Cage High Power Induction Motor with Direct Start-up. Design and FEM Analysis, Rev. Advances in Electrical and Computer Engineering, vol. 13, nr. 2, 2013, ISSN 1582-7445, pp. 55-58 – 2013 6. R. Hanganu, A. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, B. Anghel, Study of a Direct Current (DC) Machine used on Automotive Low Environmental Impact Applications, Environmental Engineering and Management Journal, September 2012, Vol. 11, No. 9, 1725-1729, 7. A. Malanciuc, Al. Simion, L. Livadaru, A. Munteanu, C. Afanasov, FEM-basec Analysis of a Hybrid Synchronous Generator with Skewed Stator Slots, Rev. Advances in Electrical and Computer Engineering, vol. 11, nr. 4, 2011, ISSN 1582-7445, pp. 9-14 – 2011. 8. S. Mihai, Al. Simion, L. Livadaru, A. Munteanu, Induction Motor with Switchable Number of Poles and Toroidal Winding, Rev. Advances in Electrical and Computer Engineering, vol. 11, nr. 2, 2011, ISSN 1582-7445, pp. 71-76 – 2011 9. Al. Simion, L. Livadaru, S. Mihai, A. Munteanu, C.-G. Cantemir, Induction Machine with Improved Operating Performances for Electric Trucks. A FEM-Based Analzsis, Rev. Advances in Electrical and Computer Engineering, vol. 10, nr. 2, 2010, ISSN 1582-7445, pp. 71-76 - 2010 10. Al. Simion, A. Munteanu, L. Livadaru, On the Characteristics of the Hybrid Synchronous Generator, Rev. Advances in Electrical and Computer Engineering, vol. 7(14), nr. 4(36), 2007, ISSN 1582-7445, pp. 120-125 - 2007 Articol publicat în revistă indexata in baze de date internaţionale (BDI) 11. L. Livadaru, C. Nuţescu, A. Munteanu, Al. Simion, M. Cojan, Comparative FEM- based Analysis of Multiphase Induction Motors, Analele Universităţii « Eftimie Murgu », Nr.2/2014 (B+), p.(223-230), ISSN 1453-7397 12. A. Munteanu, L. Livadaru, Al. Simion, B. Virlan, B. Anghel, Influence of the Stator Winding on the Performance of a

Five-Phase PMSG, Buletinul AGIR, nr. 4/2013, octombrie-decembrie, pp. 195-200, ISSN – L 1224-7928 -2013
13. A-M. Mihai, Al. Simion, S. Mihai, L. Livadaru, A. Munteanu, Two-Phase Induction Macine with Toroidal Winding and Improved Performance, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 137-142, ISSN – L 1224-7928 -2012
14. Al. Simion, L. Livadaru, A. Munteanu, Study of Induction Machine under Transient Duty and Steady-State as Synchronized Machine, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 291-296, ISSN – L 1224-7928 -2012
15. L. Livadaru, Al. Simion, A. Munteanu, M. Sandru, O. Dabija, M. Cojan, Design and FEM-Based Simulation of a High-Power Induction Motor with Several Start-up Constraints, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 101-106, ISSN – L 1224-7928 -2012
16. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, PM Tubular Linear Synchronous Generator for Wave Energy Conversion, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 57-60, ISSN – L 1224-7928 -2011
17. B. Virlan, Al. Simion, L. Livadaru, A. Munteanu, A.-M. Mihai, S. Vlasceanu, External Rotor Shape Estimation of an Induction Motor by FEM Analysis, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 27-32, ISSN – L 1224-7928 - 2011
18. A.-M. Mihai, Al. Simion, L. Livadaru, B. Virlan, A. Munteanu, S. Vlasceanu, Novel Core Design for Improving Performance of the Induction Machines, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 23-26, ISSN – L 1224-7928 - 2011
19. L. Livadaru, F. Lazar, Al. Simion, A. Munteanu, A. Malanciuc, S. Vlasceanu, Permanent Magnet Synchronous Machines with Halbach Array Configuration – a F.E.M. Approach, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 17-22, ISSN – L 1224- 7928 - 2011
20. Al. Simion, L. Livadaru, A. Munteanu, New Approach on the Study of the Steady- State and Transient Regimes of Three-Phase Induction Machines, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 1-6, ISSN – L 1224-7928 - 2011
21. R. Hanganu, Al. Simion, L. Livadaru, A. Munteanu, Influence of the Variable air- gap upon the Electromagnetic Torque Developed by the D.C. Machine, Bul. Inst. Polit. din Iaşi, tom LIV(LVIII), S. Electrot., Energ., Electronică, fasc.4, 2008, pp. 901 -906, ISSN 1223-8139 - 2008
22. Al. Simion, A. Munteanu, L. Livadaru, M. Cojan, Study on the characteristics of a new hybrid synchronous generator, Academie Roumaine, Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energ., Tome 52, 3, 2007, p.321-330, ISSN 0035-4066, 2007
23. Al. Simion, A. Munteanu, L. Livadaru, I. Nacu, Comparative Study of the Operating Characteristics of a Hybrid Synchronous Generator With Wye or Delta Connection, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 423 -428, ISSN 1223-8139 - 2006
24. A. Munteanu, Al. Simion, L. Livadaru, R. Hanganu, On the Possibility of Voltage Variation of a Hybrid Synchronous Generator, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 371 -376, ISSN 1223-8139 - 2006
25. R. Hanganu, Al. Simion, L. Livadaru, A. Munteanu, F.E.M. Study of the Electromagnetic Torque Developed by a D.C. Machine, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp.347 -352, ISSN 1223-8139 - 2006
26. Al. Simion, A. Munteanu, L. Livadaru, On the Possibility of Using Hybrid Synchronous Generators for the Electromechanical Conversion of the Wind Energy Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 125 -131, ISSN 1223-8139 - 2005
27. A. Munteanu, Al. Simion, L. Livadaru, Comparative Study on the Under-load Operation with Imposed Conditions of a

	Hybrid Synchronous Generators, Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 161 -166, ISSN 1223- 8139 - 2005
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090 2. B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116 3. M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, "The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi: 10.1109/EPEi63510.2024.10758153 4. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173 5. B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796. (30/6=5) 6. L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784. (30/6=5) 7. I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811. (30/6=5) 8. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755. (30/6=5) V10 - Nastas Ion; Munteanu Adrian; Vîrlan Bogdan; Simion Alecsandru; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Fractional Slot Concentrated Wound Permanent Magnet Synchronous Machines with Different Stator Grain Oriented Electric Steel Lamination Topologies,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),,605-609 (30/6=5) 9. Virlan Bogdan; Simion Alecsandru; Munteanu Adrian; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators,2022 International Conference

and Exposition on Electrical And Power Engineering (EPE),388-392 (30/5=6)
10. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327. (50/6=8.33
11. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot ConcentratedWound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 349-352, doi: 10.1109/SIELMEN53755.2021.9600382. (50/6=8.33)
12. A. Munteanu, A. Bobu, L. Livadaru, B. Vîrlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In- Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.
13. A. Bobu, A. Munteanu, L. Livadaru, Al. Simion and B. Vîrlan, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650
14. L. Livadaru, B. Vîrlan, A. Munteanu, A. Bobu, I. Nacu and A. Simion, "Outer Rotor PM Synchronous Generator for Household Wind Power Generation Comparative study upon structural solution," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIELMEN.2019.8905869. (50/6=8,33)
15. B. Vîrlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0987-0991; DOI: 10.1109/ICEPE.2018.8559650
16. A. Munteanu, L. Livadaru, B. Virlan, A. Simion and I. Nacu, "Magnetic Circuit Segmentation Effect on a Permanent Magnet Fractional Slot Synchronous Generator," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0797-0801; DOI: 10.1109/ICEPE.2018.8559638
17. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Low Speed Permanent Magnet Synchronous Generator for Wind Turbines Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0802-0805.DOI: 10.1109/ICEPE.2018.8559640
18. Bogdan Virlan, Adrian Munteanu, Leonard Livadaru, Alecsandru Simion, Ionut Nacu, Pole Magnets Segmentation Effect on Permanent Magnet Synchronous Generators" 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 171-176, 978-1-5386-1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123318
19. Adrian Munteanu, Bogdan Virlan, Leonard Livadaru, Alecsandru Simion, „Five Phase Permanent Magnet Synchronous Generator Distributed Winding to Fractional SlotConcentrated Winding" 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 159-164, 978-1-5386-1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123316
20. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion „FEM-based Analysis on the Operation of Three-Phase Induction Motor connected to Six-Phase Supply System Part 2 – Study on fault-tolerance capability" 11- th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13

October 2017, Chisinau, pp. 133-138, 978-1-5386- 1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123311
21. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion „FEM-based Analysis on the Operation of Three-Phase Induction Motor connected to Six-Phase Supply System Part 1 – Operation under healty conditions" 11- th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 127-132, 978-1-5386- 1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123310
22. A. Munteanu, L. Livadaru, A. Simion, B. Virlan and A. M. Crauciuc, "An efficient approach for 3D toroidal transformers simulation," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 277- 280. doi: 10.1109/ICEPE.2016.7781347
23. M. S. Bodea, A. Simion, L. Livadaru, A. Munteanu, B. Virlan and B. Anghel, "Fractional slot permanent magnet machine with outer rotor," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 256-260. doi: 10.1109/ICEPE.2016.7781343
24. A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212. doi: 10.1109/ICEPE.2016.7781334
25. M. Bodea, A. Simion, L. Livadaru, A. Munteanu and B. Vîrlan, "Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure," 2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 2016, pp. 545-550. doi: 10.1109/EPEPEMC.2016.7752054
26. L. Livadaru, A. Munteanu, A. Simion and C. G. Cantemir, "Design and finite element analysis of high-density torque induction motor for traction applications," 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2015, pp. 211-214., doi: 10.1109/ATEE.2015.7133766
27. A. Munteanu, A. Simion, D. A. Hagianu, L. Livadaru and D. Bidei, "Special three- phase to multiple different polyphase systems electric transformer," Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, Iasi, 2014, pp. 345-348. doi: 10.1109/ICEPE.2014.6969926
28. L. Livadaru, A. Simion, A. M. Mihai, A. Munteanu, F. Lazăr and A. Adam, "New winding solution for the improvement of the three-phase induction motor performance," Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, Iasi, 2014, pp. 295-298. doi: 10.1109/ICEPE.2014.6969916
29. A. Munteanu, Al. Simion, L. Livadaru, B. Virlan, M. Sandru, - Three Phase Sqirrel- Cage Induction Motor Optimization Using Finit Element Method, EPE 2012, 7th International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(464- 467), ISBN 978-1-4673-1172-4
30. Al. Simion, L. Livadaru, A. Munteanu, Study of the Induction Machine under Transient Duty and Steady-State as Synchronized Motor, EPE 2012, 7th International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(472-475), ISBN 978-1-4673-1172-4
31. L. Livadaru, Al. Simion, S. Vlasceanu, A. Munteanu, D. Irimia, Dual FEM-Simulink Analysis of Induction Motor Operating under Unbalanced State, OPTIM 2012, 13th International Conference on Optimization of Electrical and Electronic Equipment, p. (493-502), ISBN 978-1-4673-0141-1, 2012
32. B. Vîrlan, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – FEM Based Transient Analysis of an Induction Machine with External Rotor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(227-230), ISBN 978-606-13-0079-2
33. Al. Simion, B. Vîrlan, L. Livadaru, A. Munteanu, A.-M. Mihai, (2010) – Induction Motor with external Rotor and

Toroidal Stator Winding, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(223-226), ISBN 978-606-13- 0079-2

34. L. Livadaru, M. Cojan, Al. Simion, A.-M. Mihai, A. Munteanu, (2010) - Upon the Electromagnetic Pollution of Electrical Machines. A FEM Approach, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(219-222), ISBN 978-606-13-0079-2

35. A. Malanciuc, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, (2010) – 3D FEM- Based Simulation of a Permanent Magnet Synchronous Generator, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(205-208), ISBN 978-606-13-0079-2

36. L. Livadaru, B. Vîrlan, Al. Simion, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – Finite Element Analysis Concerning the Influence of Rotor Slot Configuration on the Performance of High-Speed Induction Motor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(197-200), ISBN 978-606-13-0079-2

37. M. Jeder, D. Cernomazu, A. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, (2010) – Thermal Analysis of Two Paraffin Actuators with Internal Electrical Heating Sources, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(83-86), ISBN 978-606-13-0079-

38. Al. Simion, S. Mihai, L. Livadaru, A. Munteanu (2010) – The Induction Machine with Ring Stator Winding as a Possible Solution for Speed Regulation, OPTIM 2010, 12th International Conference on Optimization of Electrical and Electronic Equipment, p. (395-400), ISBN 978-1-4244-7020-4/2010

39. Munteanu,A.; Simion, Al.; Livadaru, L. (2008)- Performance Analysis of a Hybrid Synchronous Machine under Generating and Motoring Duty, - ICEM:2008, International Conference on Electrical Machines, Vilamoura, Portugalia, 6-9 sept. 2008, vols 1- (4110—4115) (2009) IEEE Catalog Number: CFP0890B-CDR, ISBN: 978-1-4244-1736- 0, Library of Congress: 2007906913.

40. A. Munteanu, Al. Simion, L. Livadaru, - Optimization Study upon Excitation Pole Shape of a Hybrid Synchronous Generator, SPEEDAM 2008-XIX International Symposium on Power Electronics, Electrical Drives, Automation and Motion (CD) Ischia-Italy, June 10-13, 2008, ISSN 978-1-4244-1663-9/2008, p(1292-1296)

41. Al. Simion, L. Livadaru , A. Munteanu, D. Lucache, Considerations on the Experimental Performance Developed by a Hybrid Synchronous Motor- Proceedings of the International Aegean Conference on Electrical Machines and Power Systems & Electromotion Joint Conference, ACEMP'07, Bodrum, Turcia, 10-12 sept., p.(560-565), ISBN 978-975-93410-2-2.

42. A. Munteanu, L. Livadaru, Al. Simion, M. Cojan, LabVIEW Application for Better Understanding Armature Reaction in Synchronous Generators, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 235- 240, ISBN 978-606-13-1560-4.

43. Al. Simion, B. Anghel, L. Livadaru, A. Munteanu, Three-Phase Mathematical Model of the D.C. Machine, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 286-293, ISBN 978-606-13-1560-4.

44. B. Anghel, L. Livadaru, Al. Simion, A. Munteanu, S. Vlasceanu, Upgrade of an Induction Motor to Superior Power Levels, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 304-308, ISBN 978-606- 13-1560-4.

45. Al.Simion, L. Livadaru, R.-V. Cociu, A. Munteanu, Analysis of Three-Phase Induction Machine Operating under Transient Dynamic Braking by Using the Mathematical Model in Total Fluxes, SNET'12 Conference Proceedings, ISSN 2067-

4147, p. 38-43
46. N.-D. Irimia, Al. Simion, L. Livadaru, A. Munteanu, O. Dabija, S. Vlasceanu – Control Strategies Simulation of a 3 Phase (6/4) Switched Reluctance Motor, Proc. of the 8th International Conference on Electromechanical and Power Systems, SIELMEN 2011, October 11-15, p. (13-18).
47. B. Virlan, L. Livadaru, Al. Simion, A. Munteanu, A.-M. Mihai – Design and FEM Simulation of a Fractional Power Three-Phase Induction Motor for Oil-Submerged Applications, Propc. of 25th European Conference on Modeling and Simulation, ECMS 2011, June 7-10, Krakow, Poland, p. (181-187), ISBN 978-0-9564944-2-9.
48. A. Munteanu, Al. Simion, L. Livadaru, (2009) – Evaluation and Performance Analysis of a Dual-Rotor Hybrid Synchronous Machine, Vol. SNET-09 Univ. Politehnica Bucuresti, p.(21/263-26/263), ISSN 2067-4147.
49. A. Munteanu , Al. Simion, L. Livadaru (2009)- FEM-Based Simulation of a Brushless Motor Behavior for Different Supplying Strategies, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(57-60), ISSN:2066-853
50. M. Cojan, Al. Simion, L. Livadaru, A. Munteanu, (2009) -Aspects Regarding Reduction the Influence of the Potential Polluting Factors over the Life Span of the Electrical Machines, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(17-20), ISSN:2066-853X
51. L. Livadaru, Al. Simion, A. Munteanu, S. Mihai, M. Cojan, A. Malanciuc (2009)- Study of the Start-up of an Induction Machine with Broken Rotor Bars by Means of FEM- Based Simulation, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(49-52), ISSN:2066-853X
52. Simion, Al.; Livadaru,L.; Cojan, M.; Lucache, D.; Munteanu, A.; Hanganu, R. (2008) - The Electrical Machine – Environment Interaction, a Case Study on the Homopolar Structure - Proceedings of the 2nd International Symposium on Electrical and Electronics Engineering, ISEEE-2008, Galaţi, Romania, Sept. 12-13, 2008, p. (336- 339), ISSN 1842-8046
53. Dumitrescu, R.; Simion, Al.; Livadaru, L.; Munteanu, A.(2007)– Studiul câmpului magnetic al unei maşini de inducţie, Seminarul Naţional de Electrotehnică Teoretică, SNET-07, Universitatea POLITEHNICA Bucureşti, 12-14 oct. 2007 p.459-464, ISBN: 978-973-718-899-1,
54. Munteanu, A.; Simion, Al.; Livadaru, L., (2007) – Estimated Performances of a Hybrid Synchronous Motor Used as Integrated Starter-Alternator, Seminarul Naţional de Electrotehnică Teoretică, SNET-07, Universitatea POLITEHNICA Bucureşti, 12-14 oct. 2007 p. 47-52 ISBN: 978-973-718-899-1,
55. Simion, Al.; Munteanu, A.; Livadaru, L. (2007) - Consideration on the operating characteristics of the hybrid synchronous generator with wye or delta connection, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(89-95), ISBN 978-973-666-259-1
56. Simion, Al.; Hanganu, R.; Livadaru, L.; Munteanu, A. (2007) - F.E.M. comparative study of a D.C. motor with separate excitation used on the vehicles, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(71-77), ISBN 978-973-666-259-1,
57. Munteanu, A.; Simion, Al.; Livadaru, L., Hanganu, R. (2007) – Experimental Study on a Hybrid Synchronous Generator with Output Voltage within Large Limits, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(23-29), ISBN 978-973-666-259-1
58. Simion Al., Munteanu A., Livadaru L., Cojan M., 2006 – Study of a New Hybrid Synchronous Generator for Islanded Users, 5th International Symposium Advanced Topics in Electrical Engineering, ATEE'2006, Univ. Politehnica of Bucharest, Sect.8 , Paper nr. 11, pag.(1-4), 2006, ISBN 973-8987-12-1, ISBN 978-973-8987-12-8

	59. Simion Al., Lucache D. D., Livadaru L., Munteanu A., 2005 – Self-Excited Hybrid Synchronous Generator as Electric Energy Source on Automotives, 5-th. Intern. Conference on Electromechanical and Power Systems - SIELMEN'2005, Chişinău, Rep. Moldova, Oct.2005, Proc. Vol. 2, Ed. PIM, ISBN 973-716-230-7, p.(796-799)
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Cercetări privind ameliorarea performanţelor generatoarelor de energie electrică de pe autovehicule PN2 TD 83/2007 – director de proiect 2. Modele matematice şi soluţii de proiectare integrată a maşinilor electrice în scopul utilizării raţionale a resurselor naturale şi artificial, CEEX 285/P3/2006 – partener P3 cu ICPE SA Bucureşti, Responsabil contract: Simion Al. - membru **3.** Sistem inteligent alternator – demaror – integrat pentru autovehicule - Contract nr. 27637/2005, Tema 35, Cod CNCSIS: 530, Director : Lucache Dorin - membru

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Luncă Eduard **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Marius Brânzilă, Eduard Luncă, capitolul Remote Test-bench Experiments for Teaching Laboratories Based on LabVIEW, Python and Java, în volumul Online Laboratories in Engineering and Technology Education (editori: Dominik May, Michael E. Auer, Alexander Kist), Editura Springer Cham, 2025, 20 pag., ISBN 978-3-031-70770-4. 2. Eduard Luncă, Bogdan Constantin Neagu, Silviu Vornicu, capitolul Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, în volumul Numerical Methods for Energy Applications (editori: Naser Mahdavi Tabatabaei, Nicu Bizon), Editura Springer Cham, 2021, 27 pag., ISBN 978-3-030-62190-2. 3. Ionel Pavel, Camelia Petrescu, Valeriu David, Eduard Luncă, capitolul Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead PowerLines—A Case Study, în volumul Modeling and Simulation in Engineering, 2nd Edition (editori: Camelia Petrescu, Valeriu David), Editura MDPI, Basel, 2023, pp. 199-213, ISBN 978-3-0365-8288-7 (Reprint). 4. Eduard Luncă, Alexandru Sălceanu, Zgomote și interferențe în instrumentație. Elemente de teorie, Editura PIM, Iași, 2024, 114 pag., ISBN 978-606-13-8834-9. 5. Eduard Luncă, Interfațarea instrumentelor și sistemelor de măsurare. Aplicații specifice, Editura PIM, Iași, 2019, 220 pag., ISBN 978-606-13-5326-2. 6. Eduard Luncă, Alexandru Sălceanu, Zgomote și interferențe în instrumentație. Aplicații, Editura PIM, Iași, 2018, 156 pag., ISBN 978-606-13-4699-8. 7. Eduard Luncă, Compatibilitate electromagnetică. Teste și măsurări specifice, Editura PIM, Iași, 2015, 168 pag., ISBN 978- 606-13-2834-5. 8. Eduard Luncă, Sisteme pentru măsurarea și monitorizarea poluării electromagnetice. Studii teoretice și experimentale, Editura PIM, Iași, 2015, 126 pag., ISBN 978-606-13-2849-9.

	9. Codrin Donciu, Eduard Luncă, Mihai Crețu, Sisteme moderne de măsurare. Măsurări distribuite, Editura Politehnium, Iași, 2005, 130 pag., ISBN 973-621-105-3. 10. Alexandru Sălceanu, Eduard Luncă, Oana Neacşu, Marius Păuleţ, Silviu Ursache, Compatibilitate electromagnetică. Aplicații, Editura PIM, Iași, 2015, 208 pag., ISBN 978-606-13-2812-3. 11. Andrei Marinescu (Editor), Electromagnetic Compatibility / Electromagnetic Field. Research and Development in Romania [în Cap. 3, Works and Walks in ESD, developed at the Faculty of Electrical Engineering – Alexandru Sălceanu, Eduard Luncă, Oana Beniugă, Oana Neacşu, Silviu Ursache, Marius Păuleţ], Editura Agir, Bucureşti, 2014, 15 pag., ISBN 978-973-720-521-6
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. E. Lunca, S. Vornicu, A. Salceanu, Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023, FI 2023 – 2,5. 2. I. Pavel, C. Petrescu, V. David, E. Lunca, Estimation of the Spatial and Temporal Distribution of Magnetic Fields around Overhead Power Lines—A Case Study, Mathematics, Vol. 11, No. 10:2292, pp. 1-15, 2023, FI 2023 – 2,3. 3. M. Andrusca, M. Adam, A. Dragomir, E. Lunca, Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure, Sensors, Vol. 21, No. 23:7858, pp. 1-22, 2021, FI 2023 – 3,4. 4. M. Andrusca, M. Adam, A. Dragomir, E. Lunca, R. Seeram, O. Postolache, Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, FI 2023 – 2,5. 5. E. Lunca, S. Ursache, A. Salceanu, Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines, Measurement, Vol. 124, pp. 197-204, 2018, FI 2023 – 5,2. 6. E. Lunca, S. Ursache, Andrei Salceanu, Assessment of Radiofrequency Exposure Levels Generated by WiMAX Base Stations, Environmental Engineering and Management Journal, Vol. 15, No. 12, pp. 2753-2759, 2016, FI 2023 – 0,9. 7. V. Dafinescu, V. David, D. Andritoi, E. Lunca, Elena-Niculina Dragoi, Electromagnetic Pollution of the Hospital Environment due to New Generation Mobile Phones, Environmental Engineering and Management Journal, Vol. 14, No. 1, pp. 73-78, 2015, FI 2023 – 0,9. 8. E. Lunca, M. Istrate, A. Salceanu, Comparative Analysis of the Extremely Low-frequency Magnetic Field Exposure from Overhead Power Lines, Environmental Engineering and Management Journal, Vol. 12, No. 6, pp. 1145-1152, 2013, FI 2023 – 0,9. 9. A. Salceanu, Oana Beniuga, E. Lunca, Advances in Measurement and Analysis of Electrostatic Discharge Significance of Human Body Capacitance, Environmental Engineering and Management Journal, Vol.12, No. 6, pp. 1119-1124, 2013, FI 2023 – 0,9. 10. E. Lunca, V. David, A. Salceanu, I. Cretescu, Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments, Environmental Engineering and Management Journal, Vol. 11, No. 2, pp. 385-391, 2012, FI 2023 – 0,9. 11. E. Lunca, A. Salceanu, Virtual Instrumentation Approach for Teaching EMC Concepts, ELEKTRONIKA IR ELEKTROTECHNIKA (Electronics and Electrical Engineering), Vol. 117, No. 1, pp. 75-80, 2012, FI 2023 – 0,9. 12. A. Vilcu, E. Lunca, S. Vornicu, I.-V. Herghiligiu, C. Toporascu, Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method, Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023 (EBSCO, Ulrich's, Index Copernicus,

	Sciendo). 13. E. Lunca, S. Vornicu, A. Salceanu, O. Bejenaru, 2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines, Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018 (SCOPUS, IOP Science). 14. S. Ursache, E. Lunca, A. Salceanu, I. Pavel, Analysis upon the Influence of the Current Drawn by the Appliance on the Close Magnetic Field, ACTA IMEKO, Vol. 7, No. 4, pp. 70-74, 2018 (SCOPUS). 15. A. Salceanu, E. Lunca, M. Paulet, Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU, ACTA IMEKO, Vol. 4, No. 6, pp. 37-45, 2017 (SCOPUS). 16. E. Lunca, A. Salceanu, S. Ursache, Automated Measurement and Monitoring of the Electromagnetic Fields from GSM Systems, Journal of Clean Energy Technologies, Vol. 1, No. 3, pp. 174-177, 2013 (INSPEC, Electronic Journals Library, Ulrich's Periodicals Directory, ProQuest). 17. E. Lunca, S. Ursache, A. Salceanu, LabVIEW Interactive Simulations for Electromagnetic Compatibility, International Journal of Online Engineering (iJOE), Vol. 8, No. 2, pp. 11-14, 2012 (INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO). 18. E. Lunca, S. Ursache, A. Salceanu, Study of the Power-Frequency Magnetic Fields in Residences and Schools, Buletinul AGIR, No. 3, pp. 689-693, 2012 (Index Copernicus, Academic Keys, getCITED). 19. E. Lunca, S. Ursache, Oana Neacsu, Graphical Programming Tools for Electrical Engineering Higher Education, International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011 (INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO). 20. E. Lunca, A. Salceanu, Virtual Instrumentation for Extending the Capabilities of a Spectrum Analzyer to Automatically Perform RF Measurements, Acta Electrotehnica, Vol. 51, No. 4, pp. 271-275, 2010 (REFERATIVNYI ZHURNAL, DOAJ). 21. E. Lunca, A. Salceanu, S. Ursache, EMC Testing Education According to the ISO/IEC 17025 Quality System Requirements, Acta Electrotehnica, Vol. 50, No. 3, pp. 214-218, 2009 (REFERATIVNYI ZHURNAL, DOAJ).
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. E. Lunca, A. Salceanu, V. David, M. Cretu, RF Digital Power Meter, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1031-1036, 2006. 2. E. Lunca, C. Donciu, A. Salceanu, V. David, Testing and Monitoring Systems Based on Virtual Instrumentation, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1037-1042, 2006. 3. A. Salceanu, E. Lunca, Oana Neacsu, Meeting the Recent Requests Originated by the Incoming Edition of EN 61000-4-2, Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1075-1080, 2006. 4. A. Salceanu, M. Paulet, E. Lunca, Statistical Method in Establishing the ESD "Manufacturing Margin", Buletinul Institutului Politehnic Iasi, Tomul LII (LVI), Fasc. 5, pp. 1085-1088, 2006.
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. E. Lunca, S. Vornicu, A. Salceanu, 3-Axis Virtual Gaussmeter for Measurement and Advanced Characterization of the Magnetic Fields from Overhead Power Lines, 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 551-555 (IEEE Xplore, SCOPUS). 2. E. Lunca, S. Vornicu, A. Salceanu, Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields, 25th IMEKO TC4 International Symposium and 23rd International Workshop on ADC Modelling and Testing (IMEKO TC-4 2022), Brescia, Italia, September 12-14, 2022, pp. 221-226 (SCOPUS). 3. E. Lunca, S. Vornicu, I. Pavel, M. Andrusca, Measurement and Numerical Simulation of the Low-Frequency Electric

	Field Generated by an Overhead Power Line, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 719-722 (IEEE Xplore, SCOPUS). 4. S. Vornicu, E. Lunca, B.C. Neagu, F.C. Baiceanu, Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 723-726 (IEEE Xplore, SCOPUS). 5. V. David, I. Pavel, E. Lunca, A Method for Estimating the Magnetic Fields Generated by the Overhead Power Lines, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS). 6. A. Salceanu, S. Vornicu, E. Lunca, M. Istrate, Influence of High Voltage Bundle Configurations on Human Exposure, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS). 7. E. Lunca, S. Vornicu, C. Damian, PC-Based Temperature and Humidity Recorder with USB Connectivity, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 8. O. Bejenaru, E. Lunca, V. David, Simulation and Measurement of the Radiofrequency Electromagnetic Field Generated by a LTE Base Station, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 9. S. Vornicu, E. Lunca, A. Salceanu, ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 10. S. Ursache, E. Lunca, S. Vornicu, DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 11. A. Salceanu, E. Lunca, B.D. Alistar, S. Ursache, Upon the Influence of Charge Image on the Electric Field Intensity, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (Web of Science, SCOPUS). 12. C. Damian, A. Panu, M. Robu, E. Lunca, Storing Custom Data Sets in a Blockchain System, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-6 (Web of Science, SCOPUS). 13. E. Lunca, V. David, Wideband Three-axis Magnetic Field Sensor, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 693-696 (Web of Science). 14. S. Vornicu, E. Lunca, A. Salceanu, Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633 (Web of Science). 15. A. Salceanu, M. Paulet, E. Lunca, Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 755-758 (Web of Science). 16. E. Lunca, S. Ursache, A. Salceanu, Characterization of the Electric and Magnetic Field Exposure from a 400 kV Overhead Power Transmission Line in Romania, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC

	Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 239-243 (SCOPUS). 17. O. Bejenaru, E. Lunca, V. David, Characterization of the electromagnetic interferences due to a public lighting system, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 224-228 (SCOPUS). 18. S. Ursache, E. Lunca, A. Salceanu, I. Pavel, Study on the relationship between magnetic fields generated by home appliances and associated drawn currents, 22nd IMEKO TC4 Symposium and 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, September 14-15, 2017, pp. 305-308 (SCOPUS). 19. E. Lunca, A. Salceanu, S. Ursache, M.A. Anghel, Evaluation of EMF Exposure from Digital Terrestrial Television Transmitters, 21st IMEKO TC4 International Symposium and 19th International Workshop on ADC Modelling and Testing, Budapest, Hungary, September 7-9, 2016, pp. 236-239 (Web of Science, SCOPUS). 20. E. Lunca, A. Salceanu, An Overview of RF-EMF Monitoring Systems and Associated Monitoring Data, 9th International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, October 20-22, 2016, pp. 418- 421 (Web of Science, IEEE Xplore, SCOPUS). 21. A. Salceanu, E. Lunca, O. Neacsu, F. Iacobescu, Assessing the Close Field Non-Ionizing Emissions of PC-Monitors, 9th International Conference and Exposition on Electrical and Power Engineering – EPE 2016, Iasi, Romania, October 20-22, 2016, pp. 592-597 (Web of Science, IEEE Xplore, SCOPUS). 22. E. Lunca, S. Ursache, A. Vasn iuc, Temperature monitoring system based on multiple TMP75 digital sensors and the PC's parallel port, 9th International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 15-18 (Web of Science, IEEE Xplore, SCOPUS). 23. E. Lunca, C. Damian, A. Salceanu, EMF Exposure Measurements on 4G/LTE Mobile Communication Networks, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 545-548 (Web of Science, IEEE Xplore, SCOPUS). 24. E. Lunca, E. Staicu, M. Balauca, 10 Hz – 20 kHz Single-axis Magnetic Field Meter, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 453-456 (Web of Science, IEEE Xplore, SCOPUS). 25. A. Salceanu, E. Lunca, C. Luca, S. Ursache, Monitoring the Electromagnetic Traffic in an Intensive Care Unit, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 811-814 (Web of Science, IEEE Xplore, SCOPUS). 26. C. Damian, E. Lunca, M. Ilinca, Remote administration of hardware resources using TCP/IP protocol and WEB technologies, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 123-126 (Web of Science, IEEE Xplore, SCOPUS). 27. S. Ursache, A. Salceanu, E. Lunca, An evaluation of the measurement uncertainty for the electrostatic discharge current parameters, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 462-465 (Web of Science, IEEE Xplore, SCOPUS). 28. E. Lunca, M. Istrate, A. Salceanu, S. Tibuliac, Computation of the Magnetic Field Exposure from 110 kV Overhead Power Lines, 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25- 27, 2012, pp. 628-631 (Web of Science, IEEE Xplore, SCOPUS). 29. E. Lunca, C. Damian, D. Petrisor, O. Postolache, Programmable Active Filters Based on Digital Potentiometers, 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp.

	787-791 (Web of Science, IEEE Xplore, SCOPUS). 30. O. Postolache, P.S. Girão, E. Lunca, P. Bicleanu, M. Andrusca, Unobtrusive Cardio-Respiratory Monitoring Based on Microwave Doppler Radar, 7th International Conference and Exposition on Electrical and Power Engineering – EPE 2012, Iasi, Romania, Oct. 25-27, 2012, pp. 597-600 (Web of Science, IEEE Xplore, SCOPUS). 31. E. Lunca, C. Damian, F. Mariut, Simplifying the Communication with I2C Devices Using LabVIEW and the PC's Parallel Port, 9th International Conference on Remote Engineering and Virtual Instrumentation – REV 2012, Bilbao, Spania, Iul. 04-06, 2012, pp. 187-190 (IEEE Xplore, SCOPUS). 32. C. Damian, C. Fosalau, E. Lunca, Virtual Instrumentation for Measuring Amorphous Magnetic Wires Strain Gauges Characteristics, 9th International Conference on Remote Engineering and Virtual Instrumentation – REV 2012, Bilbao, Spania, Iul. 04-06, 2012, pp. 195-199 (IEEE Xplore, SCOPUS). 33. E. Lunca, A. Salceanu, Using the New LXI Instruments in Remote Laboratory Applications, 7th International Conference on Management of Technological Changes – MTC 2011, Alexandroupolis, Grecia, Sept. 01-03, 2011, pp. 381-384 (Web of Science). 34. C. Damian, E. Lunca, A Low Area FIR Filter for FPGA Implementation, 34th International Conference on Telecommunications and Signal Processing – TSP 2011, Budapesta, Ungaria, Aug. 18-20, 2011, pp. 521-524 (Web of Science, IEEE Xplore, SCOPUS, DBLP). 35. S.I. Ursache, E. Lunca, A. Salceanu, M. Cretu, Introducing Mathematica Software to Electrical Engineering Students: A Way to Improve the Computational Skills, 6th International Seminar on Quality Management in Higher Education – QMHE 2010, Tulcea, Romania, Iul. 08-09, 2010, pp. 697-700 (Web of Science). 36. E. Lunca, A. Salceanu, V. David, S. Ursache, EMC Education at Technical University of Iasi. From EMC Fundamentals to Measurements and Standards, 5th International Seminar on Quality Management in Higher Education – QMHE 2008, Tulcea, Romania, Iun. 12-14, 2008, pp. 341-344 (Web of Science). 37. E. Lunca, V. David, A. Salceanu, Broadband Tri-axis Magnetic Field Measurement System, 15th IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 332- 335 (SCOPUS). 38. E. Lunca, A. Salceanu, M. Cretu, Implementing the I2C Communication Protocol in LabVIEW, 15th IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. II, pp. 514- 517 (SCOPUS). 39. Oana Neacsu, A. Salceanu, E. Lunca, V. David, Indirect Measurements on the Capacity in the Electrostatic HB Model, 15th IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19- 21, 2007, Vol. I, pp. 38-41 (SCOPUS). 40. A. Salceanu, Oana Neacsu, V. David, E. Lunca, Measurements upon Human Body Capacitance: Theory and Experimental Setup, 15th IMEKO TC4 International Symposium on Novelties in Electrical Measurements and Instrumentation, Iasi, Romania, Sept. 19-21, 2007, Vol. I, pp. 48-51 (SCOPUS). 41. E. Lunca, C. Donciu, M. Cretu, A. Salceanu, A Basic Virtual Test System for EMI/RFI Problems, 14th IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Polonia, Sept. 12-15, 2005, Vol. II, pp. 418-421 (SCOPUS). 42. C. Donciu, M. Cretu, E. Lunca, Constant Passage Technique for Undersampling Method with Two Sampling Rates, 14th IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Polonia,

	Sept. 12-15, 2005, Vol. I, pp. 250-253 (SCOPUS). 43. V. David, A. Salceanu, E. Lunca, The Measurement of Electromagnetic Fields in Hospital Electrotherapy Rooms, 14th IMEKO TC4 International Symposium on New Technologies in Measurement and Instrumentation, Gdynia-Jurata, Polonia, Sept. 12- 15, 2005, Vol. I, pp. 275-278 (SCOPUS). 44. E. Lunca, M. Cretu, V. David, C. Donciu, A Virtual Instrument For Remote Monitoring Of Electromagnetic Field, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 669-672 (SCOPUS). 45. Lunca, A. Salceanu, S. Hanganu, C. Donciu, Virtual Instrument Aiming to Extend the Capabilities of the Spectrum Analyzers, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 683-686 (SCOPUS). 46. M. Brinzila, C. Fosalau, E. Lunca, M. Cretu, A complex system for environmental monitoring with a prototype data acquisition board, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 428-430 (SCOPUS). 47. V. David, A. Salceanu, M. Cretu, E. Lunca, The Survey of Electromagnetic Environment near RF Transmitters, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. I, pp. 21-25 (SCOPUS). 48. A. Salceanu, M. Cretu, V. David, E. Lunca, Determining ESD Threats for a Human-Furniture Model in Motor Vehicles, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 516-518 (SCOPUS). 49. C. Donciu, Cristina Schreiner, M. Cretu, E. Lunca, A Distributed Monitoring System For Power Quality, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 727-730 (SCOPUS). 50. C. Donciu, M. Cretu, S. Hanganu, E. Lunca, Narrow Spikes Detection From Distorted Signals, 13th IMEKO TC4 International Symposium on Measurements for Research and Industry Applications, Atena, Grecia, Sept. 29 - Oct. 01, 2004, Vol. II, pp. 731- 734 (SCOPUS). 51. Andrei Salceanu, V. David, E. Lunca, Comparative study of the electric field emissions for various displays, 10th International Conference on Electromecanical and Power Systems – SIELMEN 2015, Chisinau, Rep. Moldova, Oct. 08-09, 2015, pp. 423- 426. 52. E. Lunca, V. David, A. Salceanu, I. Cretescu, Assessing the Human Exposure due to Wireless Local Area Networks in Office Environments, 6th International Conference on Environmental Engineering and Management – ICEEM 06, Balatonalmadi, Ungaria, Sept. 01-04, 2011, Conference Abstracts Book, pp. 77-78. 53. E. Lunca, V. David, A. Salceanu, Oana Neacsu, Broadband Magnetic Field Meter, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), Fasc. 3, pp. 387-392, 2008. 54. E. Lunca, V. David, S. Ursache, M. Cretu, On the EMF Exposure Due to Video Display Units, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), Fasc. 3, pp. 405-410, 2008. 55. A. Salceanu, Oana Neacsu, E. Lunca, Study Upon the Influence of Gun Orientation and Application Point in the Immunity Tests, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată

	în Buletinul Institutului Politehnic Iaşi, Tomul LIV (LVIII), Fasc. 3, pp. 221-226, 2008. 56. E. Lunca, A. Salceanu, V. David, M. Cretu, Dealing with Electromagnetic Interference Problems by Using Near-Field Probes, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 351-354. 57. E. Lunca, C. Donciu, A. Salceanu, M. Cretu, Virtual Interface for Spectral Measurements, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 355-358. 58. V. David, A. Salceanu, E. Lunca, I. Nica, The Measurement of Magnetic Fields Near Power Lines, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. I, pp. 243-246. 59. A. Salceanu, V. David, E. Lunca, Self-oscillating Extension of the Human-Body ESD Model, 5th International Conference on Electromecanical and Power Systems – SIELMEN 2005, Chisinau, Rep. Moldova, Oct. 06-08, 2005, Vol. II, pp. 1061-1062. 60. V. David, Loreley Buchholtzer, E. Lunca, I. Nica, Preliminary Measurements Of The Electromagnetic Environment In Hospitals, 3rd International Conference on Electrical and Power Engineering – EPE 2004, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iaşi, Tomul L (LIV), Fasc. 5B, pp. 797-801, 2004. 61. A. Salceanu, V. David, E. Lunca, Geanina Dumitru, Evaluating ESD Menace In Automotive Environments, 3rd International Conference on Electrical and Power Engineering – EPE 2004, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iaşi, Tomul L (LIV), Fasc. 5B, pp. 877-881, 2004.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. V. David, E. Lunca, I. Pavel, Metodă se supraveghere automată a câmpului magnetic cu detecția și caracterizarea câmpurilor tranzitorii, Brevet de invenție nr. 133581 (data eliberării 30.07.2024).
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Sistem computerizat de monitorizare în timp real a nivelului poluării electromagnetice cu transmiterea informaţiei prin Internet, Grant tip TD, cod CNCSIS 193, 18000 RON, 2004 – 2006 (GR. 33371/2004; GR. 34664/2005; A1/GR. 164/2006) (Director). 2. Grant tip BD (pentru tineri doctoranzi), cod CNCSIS 7, cu tema Cercetări privind sistemele de măsură, control şi monitorizare a nivelului poluării electromagnetice, 9533 RON, 2003 – 2007 (Director). 3. Cercetări privind expunerea umană la câmpuri electromagnetice în mediul urban (Evaluation of human exposure to electromagnetic fields in urban areas), Bursă de cercetare postdoctorală în cadrul proiectului POSDRU/89/1.5/S/57649, PERFORM-ERA, finanţat de Fondul Social European şi Guvernul României, Martie 2011 - Februarie 2013, 1000 euro/lună (Responsabil temă). 4. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE), Proiect internațional ERA NET Cofund, Contract 83/2016, 710968,5 RON, 2016 – 2017, Director Prof. Romeo Ciobanu (Membru). 5. Instrumentaţie la distanţă pentru noile griduri regionale dedicate, Bilateral România – Bulgaria, Nr. 62/2008, 121869,49 RON, 2008 – 2009, Director Prof. Cristina Schreiner (Membru). 6. Filme ceramice subţiri nanoporoase din cristale zeolitice pe bază de siliciu pentru materiale cu constanta dielectrica redusă, Bilateral România – Coreea de Sud, Nr. 64/2008, 204851,07 RON, 2008 – 2009, Director Prof. Romeo Ciobanu

	(Membru). 7. Ecrane şi panouri absorbante pentru utilizări speciale bazate pe compozite nano-structurale cu arhitectura predefinită si proprietăţi dielectrice şi electromagnetice personalizate, Bilateral România – Turcia, Nr. 63/2008, 125646.14 RON, 2008 – 2009, Director Prof. Romeo Ciobanu (Membru). 8. Ecrane electromagnetice spaţiale bazate pe funcţionalizare diferenţiată cu nano / micro-particule (DifShield), PNII Parteneriate, Nr. 260/2014, 1370000 RON, 2014 – 2017, Responsabil Prof. Codrin Donciu (Membru). 9. Reţea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe bază de OLC-uri (onionlike carbon) manipulate cu ajutorul dielectroforezei (H2Sense), PNII Parteneriate, Nr. 43/2014, 331079 RON, 2014 – 2015, Director Conf. Marius Olariu (Membru). 10. Sistem complex de monitorizare a alunecărilor de teren utilizând traductoare bazate pe noi materiale şi tehnologii (LANDSLIDE), PNII Parteneriate, Nr. 63/2012, 1147571 RON, 2012 – 2015, Director Prof. Cristian Zet (Membru). 11. Senzori bazaţi pe elemente de detecţie nanometrice pentru aplicaţii în nano-medicină, Colab. PNII Parteneriate, Nr. 12-109/2008, 79995 RON, 2009 – 2011, Director Prof. Cristian Foşalău (Membru). 12. Microsenzori acustici pe bază de nanofire magnetostrictive pentru aplicaţii medicale, Colab. PNII Parteneriate, Nr. 12-114/2008, 80000 RON, 2011, Director Prof. Cristian Foşalău (Membru). 13. Sistem pe bază de microfire magnetice pentru neutralizarea activării la distanţă a explozivilor prin intermediul telefonului, Colab. PNII Parteneriate, Nr. 82-096/2008, 30000 RON, 2011, Director Prof. Cristian Foşalău (Membru). 14. Microsenzori magnetici implantabili pentru aplicaţii medicale, Colab. PNII Parteneriate, Nr. 12-110/2008, 40000 RON, 2011, Director Prof. Cristian Foşalău (Membru). 15. Metodologie dielectrică nedistructivă neinvazivă comparativă de detectare rapidă a ingredientelor cu potenţial major de risc pentru sănătate din produsele alimentare, PNII Parteneriate, Nr. 51-015/2007, 627691.01 RON, 2007 – 2010, Director Prof. Romeo Ciobanu (Membru). 16. Noi metode şi tehnici biomedicale de investigare, diagnosticare si monitorizare neinvazivă cu radiaţii electromagnetice neionogene (BIOELECTRA), Colab. PNII Parteneriate, Nr. 41-089/2007, 45000 RON, 2009, Responsabil Prof. Alexandru Sălceanu (Membru). 17. Dezvoltarea conceptului de clădire generator-convertor de energie regenerabilă, cu autonomie energetică ridicată şi acumulare în infrastructură şi sol (RENERGHOME), Colab. PNII Parteneriate, Nr. 21-066/2007, 90000 RON, 2008, Responsabil Prof. Alexandru Sălceanu (Membru). 18. Susţinerea integrării cercetării româneşti în domeniul poluării electromagnetice în reţele, programe şi parteneriate europene de profil (INT-€-EMP), CEEX, Nr. 226/2006, 154830 RON, 2006 – 2008, Director Prof. Alexandru Sălceanu (Membru). 19. Metode şi tehnici magnetometrice pentru investigarea activităţii cardiace (CARDIOMAG), Colab. CEEX, Nr. 136/2006, 100000 RON, 2008, Responsabil Prof. Alexandru Sălceanu (Membru). 20. Ecrane pentru construcţii speciale bazate pe structuri Chiral-Fagure, CEEX, Nr. 46/2006, 550000 RON, 2006 – 2008, Director Prof. Marinel Temneanu (Membru). 21. Dezvoltarea parteneriatelor C/D prin includerea excelenţei româneşti, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecţie la radiaţiile electromagnetice în domeniul GHz (EPRM- Net), CEEX, Nr. 202/2006, 150000 RON, 2006 – 2008, Director Prof. Cristina Schreiner (Membru). 22. Biocompozite obţinute prin reciclarea deşeurilor de PET şi utilizarea de derivaţi ligno-celulozici, CEEX, Nr.79/2006,

	720000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (Membru). 23. Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul obţinerii de biocompozite cu aplicaţii multisectoriale, CEEX, Nr.179/2006, 130000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (Membru). 24. Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul sistemelor virtuale şi distribuite de design şi management al cercetării, CEEX, Nr.188/2006, 110000 RON, 2006 – 2008, Director Prof. Cristina Schreiner (Membru). 25. Dezvoltarea capacităţii de integrare a României în cadrul programelor, platformelor şi reţelelor europene în domeniul metodelor comparative neinvazive şi nedistructive de analiză a calităţii şi securităţii alimentelor, CEEX, Nr.173/2006, 150000 RON, 2006 – 2008, Director Prof. Romeo Ciobanu (Membru). 26. Sistem integrat de inspecţie video-inteligentă a materialelor textile dezvoltat prin metode virtuale de procesare a imaginii, CEEX, Nr. 57/2006, 499000 RON, 2006 – 2008, Director Prof. Marinel Temneanu (Membru). 27. Sistem inteligent de irigare de precizie implementabil pe structuri automate cu deplasare circulară sau liniară, CEEX, Nr. 51/2006, 467300 RON, 2006 – 2008, Director Prof. Codrin Donciu (Membru). 28. Dezvoltarea parteneriatelor C/D în vederea promovării unor proiecte europene în domeniul sistemelor distribuite de monitorizare a mediului, CEEX, Nr. 201/2006,137400 RON, 2006 – 2008, Director Prof. Marinel Temneanu (Membru). 29. Crearea unui mecanism suport de determinare a indicatorilor ştiinţifici pentru evaluarea şi atestarea instituţiilor romaneşti de CDI, nu cele academice şi universitare, în perspectiva aderării la ERA, Colab. CEEX, Nr. 06-8-66/2006, 160000 RON, 2006 – 2008, Responsabil Prof. Mihai Creţu (Membru). 30. Racordarea principiilor de evaluare şi atestare a instituţiilor de CDI la criteriile ERA, Colab. CEEX, Nr. 238/2006, 20000 RON, 2006-2008, Responsabil Prof. Mihai Creţu (Membru). 31. Metode şi tehnici neinvazive cu microunde pentru detecţia timpurie a cancerului de sân (CANCERDET), Colab. CEEX, Nr. 8/2005, 50000 RON, 2007, Responsabil Prof. Alexandru Sălceanu (Membru). 32. Laborator pentru încercări de imunitate la descărcări electrostatice (LIDES), CEEX, Nr. 187/2006, 299500 RON, 2006 – 2007, Director Prof. Alexandru Sălceanu (Membru). 33. Sistem informatic virtual de instruire interactivă la distanţă în domeniul măsurărilor electrice, Grant tip A, cod CNCSIS 443, 89096,4 RON, 2005 – 2007, Director Prof. Mihai Creţu (GR.27637/2005, T. 18; A1/GR. 164/2006, T. 26; A.Ad. GR. 80/2007, T.16) (Membru). 34. Supravegherea înconjurătorului electromagnetic, Grant tip A, cod CNCSIS 801, 46850 RON, 2003 – 2005, Director Prof. Valeriu David (GR. 40222/2003, T. 7; GR. 33371/2004, T. 54; A.Ad.1 34664/2005) (Membru). **35.** Sistem de măsurare distribuită dezvoltat prin metode de instrumentaţie virtuală, Grant tip AT, cod CNCSIS 330, 15000 RON, 2003 – 2004, Director Prof**. Codrin Donciu (A.Ad 33557/2003; GR. 33371/2004 T. 54) (Membru).**
	Premii, distincţii
	1. Articol premiat UEFISCDI, Top l - zona roșie, 2018 (E. Lunca, S. Ursache, A. Salceanu, Computation and Analysis of the Extremely Low Frequency Electric and Magnetic Fields Generated by Two Designs of 400 kV Overhead Transmission Lines, Measurement, Vol. 124, pp. 197-204, 2018, FI 2023 – 5,2). 2. Articol premiat UEFISCDI, Top lI - zona galbenă, 2020 (M. Andrusca, M. Adam, A. Dragomir, E. Lunca, R. Seeram, O. Postolache, Condition Monitoring System and Faults Detection for Impedance Bonds from Railway Infrastructure, Applied Sciences, Vol. 10, No. 18, pp. 1-20, 2020, FI 2023 – 2,5).

	3. Articol premiat UEFISCDI, Top 1 - zona roșie, 2023 (M. Andrusca, M. Adam, A. Dragomir, E. Lunca, Innovative Integrated Solution for Monitoring and Protection of Power Supply System from Railway Infrastructure, Sensors, Vol. 21, No. 23:7858, pp. 1-22, 2021, FI 2023 – 3,4). **4.** Gold Medal Diploma, Automatic survey of magnetic field with detection and characterization of transient fields (autori: Valeriu David, Eduard Luncă, Ionel Pavel), International Innovation and Invention Show EURO POLITEHNICUS 2024, 1st Edition, 22 - 24 Nov. 2024, București, România.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Munteanu P. Adrian, **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. Ionut Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41- 50, 2023, doi:10.4316/AECE.2023.04005 2. L. Livadaru, A. Munteanu , Al. Simion, B. Virlan, S. Benelghali Study on the Fault- Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator, Advances in Electrical and Computer Engineering, Vol. 14, Iss. 2, p. (77-84), may 2014, ISSN 1582-7445 3. Al. Simion, L. Livadaru, R.-V. Cociu, A. Munteanu, Study of the Three-Phase Induction Machine under Dynamic Braking, Rev. Roum. Sci. Tech. – Electrotech. Et Energ., 58, 3, p. 273-283, Bucarest, 2013, ISSN 0035-4066 4. B. Virlan, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, IEEE Transactions on Energy Convertion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969 5. L. Livadaru, Al. Simion, A. Munteanu, M. Cojan, O. Dabija, Dual Cage High Power Induction Motor with Direct Start-up. Design and FEM Analysis, Rev. Advances in Electrical and Computer Engineering, vol. 13, nr. 2, 2013, ISSN 1582-7445, pp. 55-58 – 2013 6. R. Hanganu, A. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, B. Anghel, Study of a Direct Current (DC) Machine used on Automotive Low Environmental Impact Applications, Environmental Engineering and Management Journal, September 2012, Vol. 11, No. 9, 1725-1729, 7. A. Malanciuc, Al. Simion, L. Livadaru, A. Munteanu, C. Afanasov, FEM-basec Analysis of a Hybrid Synchronous Generator with Skewed Stator Slots, Rev. Advances in Electrical and Computer Engineering, vol. 11, nr. 4, 2011, ISSN 1582-7445, pp. 9-14 – 2011. 8. S. Mihai, Al. Simion, L. Livadaru, A. Munteanu, Induction Motor with Switchable Number of Poles and Toroidal Winding, Rev. Advances in Electrical and Computer Engineering, vol. 11, nr. 2, 2011, ISSN 1582-7445, pp. 71-76 – 2011

9. Al. Simion, L. Livadaru, S. Mihai, A. Munteanu, C.-G. Cantemir, Induction Machine with Improved Operating Performances for Electric Trucks. A FEM-Based Analzsis, Rev. Advances in Electrical and Computer Engineering, vol. 10, nr. 2, 2010, ISSN 1582-7445, pp. 71-76 - 2010
10. Al. Simion, A. Munteanu, L. Livadaru, On the Characteristics of the Hybrid Synchronous Generator, Rev. Advances in Electrical and Computer Engineering, vol. 7(14), nr. 4(36), 2007, ISSN 1582-7445, pp. 120-125 - 2007 Articol publicat în revistă indexata in baze de date internaţionale (BDI)
11. L. Livadaru, C. Nuţescu, A. Munteanu, Al. Simion, M. Cojan, Comparative FEM- based Analysis of Multiphase Induction Motors, Analele Universităţii « Eftimie Murgu », Nr.2/2014 (B+), p.(223-230), ISSN 1453-7397
12. A. Munteanu, L. Livadaru, Al. Simion, B. Virlan, B. Anghel, Influence of the Stator Winding on the Performance of a Five-Phase PMSG, Buletinul AGIR, nr. 4/2013, octombrie-decembrie, pp. 195-200, ISSN – L 1224-7928 -2013
13. A-M. Mihai, Al. Simion, S. Mihai, L. Livadaru, A. Munteanu, Two-Phase Induction Macine with Toroidal Winding and Improved Performance, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 137-142, ISSN – L 1224-7928 -2012
14. Al. Simion, L. Livadaru, A. Munteanu, Study of Induction Machine under Transient Duty and Steady-State as Synchronized Machine, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 291-296, ISSN – L 1224-7928 -2012
15. L. Livadaru, Al. Simion, A. Munteanu, M. Sandru, O. Dabija, M. Cojan, Design and FEM-Based Simulation of a High-Power Induction Motor with Several Start-up Constraints, Buletinul AGIR, nr. 4/2012, octombrie-decembrie, pp. 101-106, ISSN – L 1224-7928 -2012
16. G.-D. Petropol-Serb, I. Petropol-Serb, I. Cautil, A. Munteanu „Open-Ended Laboratory" Method Applied in the Conception of a Test Bench to Simulate a „Diesel- Electric" Transmision, Annals of the University of Craiova, Electrical Engineering series, No 35, 2011, pp. 184-191 - 2011
17. A. Malanciuc, Al. Simion, A. Munteanu, Finite Element Method Study of the Hybrid Synchronous Generator by Skewed Stator Slots, Bul. Inst. Polit. din Iaşi, tom LVI (LXI), S. Electrot., Energ., Electronică, fasc.3, 2011, pp. 45 -50, ISSN 1223-8139 - 2011
18. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, PM Tubular Linear Synchronous Generator for Wave Energy Conversion, Buletinul AGIR, nr. 4/2011, octombrie- decembrie, pp. 57-60, ISSN – L 1224-7928 -2011
19. B. Virlan, Al. Simion, L. Livadaru, A. Munteanu, A.-M. Mihai, S. Vlasceanu, External Rotor Shape Estimation of an Induction Motor by FEM Analysis, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 27-32, ISSN – L 1224-7928 - 2011
20. A.-M. Mihai, Al. Simion, L. Livadaru, B. Virlan, A. Munteanu, S. Vlasceanu, Novel Core Design for Improving Performance of the Induction Machines, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 23-26, ISSN – L 1224-7928 - 2011
21. L. Livadaru, F. Lazar, Al. Simion, A. Munteanu, A. Malanciuc, S. Vlasceanu, Permanent Magnet Synchronous Machines with Halbach Array Configuration – a F.E.M. Approach, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 17-22, ISSN – L 1224- 7928 - 2011
22. Al. Simion, L. Livadaru, A. Munteanu, New Approach on the Study of the Steady- State and Transient Regimes of Three-Phase Induction Machines, Buletinul AGIR, nr. 4/2011, octombrie-decembrie, pp. 1-6, ISSN – L 1224-7928 - 2011
23. R. Hanganu, Al. Simion, L. Livadaru, A. Munteanu, Influence of the Variable air- gap upon the Electromagnetic Torque Developed by the D.C. Machine, Bul. Inst. Polit. din Iaşi, tom LIV(LVIII), S. Electrot., Energ., Electronică, fasc.4, 2008, pp. 901 -906, ISSN 1223-8139 - 2008
24. Al. Simion, A. Munteanu, L. Livadaru, M. Cojan, Study on the characteristics of a new hybrid synchronous generator,

	Academie Roumaine, Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energ., Tome 52, 3, 2007, p.321-330, ISSN 0035-4066, 2007 25. Al. Simion, A. Munteanu, L. Livadaru, I. Nacu, Comparative Study of the Operating Characteristics of a Hybrid Synchronous Generator With Wye or Delta Connection, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 423 -428, ISSN 1223-8139 - 2006 26. I. Nacu, Al. Simion, A. Munteanu, Electric Discharges Influence on the Magnetic Properties of the Bearings Componetnts Used in Electric Machines, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 377 -382, ISSN 1223- 8139 - 2006 27. A. Munteanu, Al. Simion, L. Livadaru, R. Hanganu, On the Possibility of Voltage Variation of a Hybrid Synchronous Generator, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 371 -376, ISSN 1223-8139 - 2006 28. R. Hanganu, Al. Simion, L. Livadaru, A. Munteanu, F.E.M. Study of the Electromagnetic Torque Developed by a D.C. Machine, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp.347 -352, ISSN 1223-8139 - 2006 29. Al. Simion, A. Munteanu, L. Livadaru, On the Possibility of Using Hybrid Synchronous Generators for the Electromechanical Conversion of the Wind Energy Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 125 -131, ISSN 1223-8139 - 2005 30. Al. Simion, A. Munteanu, I. Nacu, Aspects Regarding the Performance of Using Hybrid Synchronous Generators that Operate between Large Limits of Speed, Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 131 -138, ISSN 1223-8139 - 2005 31. A. Munteanu, Al. Simion, L. Livadaru, Comparative Study on the Under-load Operation with Imposed Conditions of a Hybrid Synchronous Generators, Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 161 -166, ISSN 1223- 8139 - 2005 32. Al. Simion, A. Munteanu, R. Hanganu, F.E.M. Study of a New Hybrid Synchronous Generator for Automotives, Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 167 -172, ISSN 1223-8139 - 2005
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. B. -C. Paduraru, A. Dragomir, A. Munteanu, M. Adam, S. -A. Nadabaica and G. Chiriac, "Analysis of the Permanent Magnets Influence on the Operation of a BLDC Motor," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 523-527, doi: 10.1109/EPEi63510.2024.10758070. 2. I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090 3. B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116 4. M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, "The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi:

10.1109/EPEi63510.2024.10758153
5. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173
6. B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796. (30/6=5)
7. L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784. (30/6=5)
8. I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811. (30/6=5)
9. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755. (30/6=5)
10. Nastas Ion; Munteanu Adrian; Vîrlan Bogdan; Simion Alecsandru; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Fractional Slot Concentrated Wound Permanent Magnet Synchronous Machines with Different Stator Grain Oriented Electric Steel Lamination Topologies,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),,605-609 (30/6=5)
11. Virlan Bogdan; Simion Alecsandru; Munteanu Adrian; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),388-392 (30/5=6)
12. Adrian Munteanu, Six-phase Fractional Slot Concentrated Winding Permanent Magnet Synchronous Motor with Reduced Torque Ripple,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),,527-530 (30/1=30)
13. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327. (50/6=8.33
14. A. Munteanu, "Fault Tolerant Fractional-Slot Concentrated-Wound Permanent Magnet Synchronous Motor with Redundancy for Critical Applications," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-5, doi: 10.1109/SIELMEN53755.2021.9600267. (50/1=50)
15. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot ConcentratedWound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 349-352, doi:

10.1109/SIELMEN53755.2021.9600382. (50/6=8.33)
16. A. Munteanu, A. Bobu, L. Livadaru, B. Vîrlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In- Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.
17. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator" 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537
18. A. Bobu, A. Munteanu, L. Livadaru, Al. Simion and B. Vîrlan, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650
19. A. Munteanu, "Flux - Simulink Co-Simulations for BLAC Motor Control with Magnetoresistive Angle Sensor Analysis," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 265-268, doi: 10.1109/EPE50722.2020.9305540.
20. L. Livadaru, B. Vîrlan, A. Munteanu, A. Bobu, I. Nacu and A. Simion, "Outer Rotor PM Synchronous Generator for Household Wind Power Generation Comparative study upon structural solution," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIELMEN.2019.8905869. (50/6=8,33)
21. A. Munteanu, "Investigation of a Magnetoresistive Angle Sensor Accuracy for BLAC Motor Control," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIELMEN.2019.8905866. (50/1=50)
22. I. Nacu, A. Munteanu, H. Heireche, B. Virlan and B. Anghel, "Thermal Analysis of a Low Speed Permanent Magnet Synchronous Generator for Wind Turbine Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0906-0909; DOI: 10.1109/ICEPE.2018.8559756
23. B. Vîrlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0987-0991; DOI: 10.1109/ICEPE.2018.8559650
24. A. Munteanu, L. Livadaru, B. Virlan, A. Simion and I. Nacu, "Magnetic Circuit Segmentation Effect on a Permanent Magnet Fractional Slot Synchronous Generator," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0797-0801; DOI: 10.1109/ICEPE.2018.8559638
25. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Low Speed Permanent Magnet Synchronous Generator for Wind Turbines Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0802-0805.DOI: 10.1109/ICEPE.2018.8559640
26. Bogdan Virlan, Adrian Munteanu, Leonard Livadaru, Alecsandru Simion, Ionut Nacu, Pole Magnets Segmentation Effect on Permanent Magnet Synchronous Generators" 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 171-176, 978-1-5386-1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123318
27. Adrian Munteanu, Bogdan Virlan, Leonard Livadaru, Alecsandru Simion, „Five Phase Permanent Magnet Synchronous

Generator Distributed Winding to Fractional SlotConcentrated Winding" 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 159-164, 978-1-5386-1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123316

28. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion „FEM-based Analysis on the Operation of Three-Phase Induction Motor connected to Six-Phase Supply System Part 2 – Study on fault-tolerance capability" 11- th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 133-138, 978-1-5386- 1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123311

29. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion „FEM-based Analysis on the Operation of Three-Phase Induction Motor connected to Six-Phase Supply System Part 1 – Operation under healty conditions" 11- th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 127-132, 978-1-5386- 1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123310

30. A. Munteanu, L. Livadaru, A. Simion, B. Virlan and A. M. Crauciuc, "An efficient approach for 3D toroidal transformers simulation," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 277- 280. doi: 10.1109/ICEPE.2016.7781347

31. M. S. Bodea, A. Simion, L. Livadaru, A. Munteanu, B. Virlan and B. Anghel, "Fractional slot permanent magnet machine with outer rotor," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 256-260. doi: 10.1109/ICEPE.2016.7781343

32. A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212. doi: 10.1109/ICEPE.2016.7781334

33. M. Bodea, A. Simion, L. Livadaru, A. Munteanu and B. Vîrlan, "Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure," 2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 2016, pp. 545-550. doi: 10.1109/EPEPEMC.2016.7752054

34. L. Livadaru, A. Munteanu, A. Simion and C. G. Cantemir, "Design and finite element analysis of high-density torque induction motor for traction applications," 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, 2015, pp. 211-214., doi: 10.1109/ATEE.2015.7133766

35. A. Munteanu, A. Simion, D. A. Hagianu, L. Livadaru and D. Bidei, "Special three- phase to multiple different polyphase systems electric transformer," Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, Iasi, 2014, pp. 345-348. doi: 10.1109/ICEPE.2014.6969926

36. L. Livadaru, A. Simion, A. M. Mihai, A. Munteanu, F. Lazăr and A. Adam, "New winding solution for the improvement of the three-phase induction motor performance," Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, Iasi, 2014, pp. 295-298. doi: 10.1109/ICEPE.2014.6969916

37. A. Munteanu, Al. Simion, L. Livadaru, B. Virlan, M. Sandru, - Three Phase Sqirrel- Cage Induction Motor Optimization Using Finit Element Method, EPE 2012, 7th International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(464- 467), ISBN 978-1-4673-1172-4

38. Al. Simion, L. Livadaru, A. Munteanu, Study of the Induction Machine under Transient Duty and Steady-State as Synchronized Motor, EPE 2012, 7th International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(472-475), ISBN 978-1-4673-1172-4

39. L. Livadaru, Al. Simion, S. Vlasceanu, A. Munteanu, D. Irimia, Dual FEM-Simulink Analysis of Induction Motor

Operating under Unbalanced State, OPTIM 2012, 13th International Conference on Optimization of Electrical and Electronic Equipment, p. (493-502), ISBN 978-1-4673-0141-1, 2012

40. B. Virlan, S. Benelghali, A. Munteanu, Al. Simion, R. Outbib, "Multi-speed induction motor for direct drive applications," 2012 XXth International Conference on Electrical Machines, Marseille, 2012, pp. 1928-1934.doi: 10.1109/ICElMach.2012.6350145

41. B. Vîrlan, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – FEM Based Transient Analysis of an Induction Machine with External Rotor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(227-230), ISBN 978-606-13-0079-2

42. Al. Simion, B. Vîrlan, L. Livadaru, A. Munteanu, A.-M. Mihai, (2010) – Induction Motor with external Rotor and Toroidal Stator Winding, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(223-226), ISBN 978-606-13- 0079-2

43. L. Livadaru, M. Cojan, Al. Simion, A.-M. Mihai, A. Munteanu, (2010) - Upon the Electromagnetic Pollution of Electrical Machines. A FEM Approach, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(219-222), ISBN 978-606-13-0079-2

44. A. Malanciuc, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, (2010) – 3D FEM- Based Simulation of a Permanent Magnet Synchronous Generator, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(205-208), ISBN 978-606-13-0079-2

45. L. Livadaru, B. Vîrlan, Al. Simion, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – Finite Element Analysis Concerning the Influence of Rotor Slot Configuration on the Performance of High-Speed Induction Motor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(197-200), ISBN 978-606-13-0079-2

46. M. Jeder, D. Cernomazu, A. Munteanu, Al. Simion, L. Livadaru, A. Malanciuc, (2010) – Thermal Analysis of Two Paraffin Actuators with Internal Electrical Heating Sources, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(83-86), ISBN 978-606-13-0079-

47. Al. Simion, S. Mihai, L. Livadaru, A. Munteanu (2010) – The Induction Machine with Ring Stator Winding as a Possible Solution for Speed Regulation, OPTIM 2010, 12th International Conference on Optimization of Electrical and Electronic Equipment, p. (395-400), ISBN 978-1-4244-7020-4/2010

48. Munteanu,A.; Simion, Al.; Livadaru, L. (2008)- Performance Analysis of a Hybrid Synchronous Machine under Generating and Motoring Duty, - ICEM:2008, International Conference on Electrical Machines, Vilamoura, Portugalia, 6-9 sept. 2008, vols 1- (4110—4115) (2009) IEEE Catalog Number: CFP0890B-CDR, ISBN: 978-1-4244-1736- 0, Library of Congress: 2007906913.

49. A. Munteanu, Al. Simion, L. Livadaru, - Optimization Study upon Excitation Pole Shape of a Hybrid Synchronous Generator, SPEEDAM 2008-XIX International Symposium on Power Electronics, Electrical Drives, Automation and Motion (CD) Ischia-Italy, June 10-13, 2008, ISSN 978-1-4244-1663-9/2008, p(1292-1296)

50. Al. Simion, L. Livadaru , A. Munteanu, D. Lucache, Considerations on the Experimental Performance Developed by a Hybrid Synchronous Motor- Proceedings of the International Aegean Conference on Electrical Machines and Power Systems & Electromotion Joint Conference, ACEMP'07, Bodrum, Turcia, 10-12 sept., p.(560-565), ISBN 978-975-93410-2-2.

51. A. Munteanu, L. Livadaru, Al. Simion, M. Cojan, LabVIEW Application for Better Understanding Armature Reaction in Synchronous Generators, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 235- 240, ISBN 978-606-13-

1560-4.
52. Al. Simion, B. Anghel, L. Livadaru, A. Munteanu, Three-Phase Mathematical Model of the D.C. Machine, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 286-293, ISBN 978-606-13-1560-4.
53. B. Anghel, L. Livadaru, Al. Simion, A. Munteanu, S. Vlasceanu, Upgrade of an Induction Motor to Superior Power Levels, SIELMEN 2013, 9th International Conference and Exhibition on Electromechanical and Power Systems, 16 October 2013, Iasi, Romania, 17-18 October 2013, Chisinau, Rep. Of Moldova, p. 304-308, ISBN 978-606- 13-1560-4.
54. O. Dabija, Al. Simion, L. Livadaru, A. Munteanu, D. Irimia, Transient and Steady State Analysis through Simulations of an Axial-Field Single-Pole Single-Phase Switched Reluctance Motor Prototype, SNET'12 Conference Proceedings, ISSN 2067-4147, p.228-233.
55. Vlasceanu, Al. Simion, N.-D. Irimia, A. Munteanu, O. Dabija, Experimental Results versus FEM Based Analysis of a Squirrel Cage Induction Motor, SNET'12 Conference Proceedings, ISSN 2067-4147, p.183-188.
56. N.-D. Irimia, Al. Simion, O. Dabija, S. Vlasceanu, A. Munteanu, Sinusoidal Control of a Single Phase Special Topology SRM, without Rotor Position Sensor, SNET'12 Conference Proceedings, ISSN 2067-4147, p. 80-85
57. Al.Simion, L. Livadaru, R.-V. Cociu, A. Munteanu, Analysis of Three-Phase Induction Machine Operating under Transient Dynamic Braking by Using the Mathematical Model in Total Fluxes, SNET'12 Conference Proceedings, ISSN 2067-4147, p. 38-43
58. N.-D. Irimia, Al. Simion, L. Livadaru, A. Munteanu, O. Dabija, S. Vlasceanu – Control Strategies Simulation of a 3 Phase (6/4) Switched Reluctance Motor, Proc. of the 8th International Conference on Electromechanical and Power Systems, SIELMEN 2011, October 11-15, p. (13-18).
59. B. Virlan, L. Livadaru, Al. Simion, A. Munteanu, A.-M. Mihai – Design and FEM Simulation of a Fractional Power Three-Phase Induction Motor for Oil-Submerged Applications, Propc. of 25th European Conference on Modeling and Simulation, ECMS 2011, June 7-10, Krakow, Poland, p. (181-187), ISBN 978-0-9564944-2-9.
60. A. Munteanu, Al. Simion, L. Livadaru, (2009) – Evaluation and Performance Analysis of a Dual-Rotor Hybrid Synchronous Machine, Vol. SNET-09 Univ. Politehnica Bucuresti, p.(21/263-26/263), ISSN 2067-4147.
61. A. Munteanu , Al. Simion, L. Livadaru (2009)- FEM-Based Simulation of a Brushless Motor Behavior for Different Supplying Strategies, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(57-60), ISSN:2066-853
62. M. Cojan, Al. Simion, L. Livadaru, A. Munteanu, (2009) -Aspects Regarding Reduction the Influence of the Potential Polluting Factors over the Life Span of the Electrical Machines, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(17-20), ISSN:2066-853X
63. L. Livadaru, Al. Simion, A. Munteanu, S. Mihai, M. Cojan, A. Malanciuc (2009)- Study of the Start-up of an Induction Machine with Broken Rotor Bars by Means of FEM- Based Simulation, Proceeding of the 3rd International Symposium on Electrical Engineering and Energy Converters (ELS2009), Suceava, Romania, Sept. 24-25, 2009, p.(49-52), ISSN:2066-853X
64. Simion, Al.; Livadaru,L.; Cojan, M.; Lucache, D.; Munteanu, A.; Hanganu, R. (2008) - The Electrical Machine – Environment Interaction, a Case Study on the Homopolar Structure - Proceedings of the 2nd International Symposium on Electrical and Electronics Engineering, ISEEE-2008, Galaţi, Romania, Sept. 12-13, 2008, p. (336- 339), ISSN 1842-8046
65. Dumitrescu, R.; Simion, Al.; Livadaru, L.; Munteanu, A.(2007)– Studiul câmpului magnetic al unei maşini de inducţie, Seminarul Naţional de Electrotehnică Teoretică, SNET-07, Universitatea POLITEHNICA Bucureşti, 12-14 oct. 2007 p.459-464,

	ISBN: 978-973-718-899-1, 66. Munteanu, A.; Simion, Al.; Livadaru, L., (2007) – Estimated Performances of a Hybrid Synchronous Motor Used as Integrated Starter-Alternator, Seminarul Naţional de Electrotehnică Teoretică, SNET-07, Universitatea POLITEHNICA Bucureşti, 12-14 oct.2007 p. 47-52 ISBN: 978-973-718-899-1, 67. Simion, Al.; Munteanu, A.; Livadaru, L. (2007) - Consideration on the operating characteristics of the hybrid synchronous generator with wye or delta connection, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(89-95), ISBN 978-973-666-259-1 68. Simion, Al.; Hanganu, R.; Livadaru, L.; Munteanu, A. (2007) - F.E.M. comparative study of a D.C. motor with separate excitation used on the vehicles, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(71-77), ISBN 978-973-666-259-1, 69. Munteanu, A.; Simion, Al.; Livadaru, L., Hanganu, R. (2007) – Experimental Study on a Hybrid Synchronous Generator with Output Voltage within Large Limits, International Symposium on Electrical Engineering and Energy Converters ELS - 2007 – Ed. Universităţii din Suceava, p.(23-29), ISBN 978-973-666-259-1 70. Simion Al., Munteanu A., Livadaru L., Cojan M., 2006 – Study of a New Hybrid Synchronous Generator for Islanded Users, 5th International Symposium Advanced Topics in Electrical Engineering, ATEE'2006, Univ. Politehnica of Bucharest, Sect.8 , Paper nr. 11, pag.(1-4), 2006, ISBN 973-8987-12-1, ISBN 978-973-8987-12-8 71. Simion Al., Lucache D. D., Livadaru L., Munteanu A., 2005 – Self-Excited Hybrid Synchronous Generator as Electric Energy Source on Automotives, 5-th. Intern. Conference on Electromechanical and Power Systems - SIELMEN'2005, Chişinău, Rep. Moldova, Oct.2005, Proc. Vol. 2, Ed. PIM, ISBN 973-716-230-7, p.(796-799)
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director proiect Contractul nr. 26421/14.07.2023, cu titlul Generator electric cu eficienţă ridicată în construcţie modulară realizat prin procedee tehnologice avansate – GEPTA – 24735 lei (10*24735/10000 = 24,735) 2. Director proiect Contractul nr. 40176/31.10.2023, cu titlul Generator electric cu eficienţă ridicată în construcţie modulară realizat prin procedee tehnologice avansate – GEPTA (10*24735/10000 = 24,735) 3. Cercetări privind ameliorarea performanţelor generatoarelor de energie electrică de pe autovehicule PN2 TD 83/2007 – director de proiect 4. Modele matematice şi soluţii de proiectare integrată a maşinilor electrice în scopul utilizării raţionale a resurselor naturale şi artificial, CEEX 285/P3/2006 – partener P3 cu ICPE SA Bucureşti, Responsabil contract: Simion Al. - membru **5.** Sistem inteligent alternator – demaror – integrat pentru autovehicule - Contract nr. 27637/2005, Tema 35, Cod CNCSIS: 530, Director : Lucache Dorin - membru Alte lucrări de proiectare-cercetare-dezvoltare F1 Proiect NNX14AL87A intitulat 10 MW Ring Motor, finanţat de National Aeronautics and Space Administration (NASA), - cercetător invitat de către The Ohio State Univerity – Center for Automotive Research, Septembrie-Decembrie 2014 și Aprilie-Iulie 2016

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.

Păuleț V. Marius Valerian **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Păuleț Marius Valerian, Sisteme distribuite de monitorizare și teletransmisia bidirecțională de date, Editura PIM, Iași, 2019, 214 pag., ISBN 978-606-13-5320-0, ((214*8)/100)/1 = 17.2 pct 2. Alexandru Sălceanu, Eduard Luncă, Oana Beniugă, Oana Neacşu, Silviu Ursache, Marius Păuleț Electromagnetic Compatibility / Electromagnetic Field. Research and Development in Romania, Andrei Marinescu (Editor), [în Cap. 3, Works and Walks in ESD, developed at the Faculty of Electrical Engineering], Editura Agir, Bucureşti, 2014, 15 pag. format academic, ISBN 978-973-720-521-6, ((15*8)/100)/6=0.2 pct
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. O. Plopa, M. Păuleț, G.A. Ursan, L. Ungureanu, C. Schreiner, Sisteme de testare senzoriale capacitive C şi RC pentru controlul automat al iluminatului, Buletin IPI – 2019, http://www.bulipi-eee.tuiasi.ro/archive/2019/fasc.4/2019f4sumar.pdf (REVISTA BDI) 3 / 2 = pct. 1,5 R4. M. V. Păuleț, A. Sălceanu Sistem la distanţa pentru reabilitarea post-fractura a mâinii, Buletin IPI–2017, http://www.bulipi- eee.tuiasi.ro/archive/2017/fasc.3/2017f3sumar.pdf, (REVISTA BDI) 3 / 2 = pct. 1,5 2. M. V. Păuleț, O. M. Neacșu, A. Sălceanu Sistem de acces securizat bazat pe recunoaşterea caracteristicilor semnalului ECG, Buletin IPI – 2015 fascicol 3, - http://www.bulipi-eee.tuiasi.ro/archive/2015/fasc.3/2015f3sumar.pdf (REVISTA BDI) 3 / 3 = pct. 1
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Mihaela Aradoaei, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, Piezoelectric thin Film Composites with BaTiO3 for Microelectronics, Revista de Materiale Plastice, 2023, vol.:60, Issue 4, pp. 10-130, DOI:10.37358/MP.23.4.5683, factor de impact 0.8, 6/10 –pct. 0,6 2. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pintea, Mihaela Baibarac, Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001, factor de impact 5, 6/7 –pct. 0,85
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. O. Bejenaru, C. Lazarescu, M. Paulet, A. Salceanu, On the Convergence of Specific Absorption Rate Values for Human Exposure to Electromagnetic Fields Produced by Mobile Communications Systems, pp. 1-6, 2019 11TH INTERNATIONAL SYMPOSIUM ONADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE),DOI10.1109/atee.2019.8725013, Web of Science- WOS:000475904500168 4 / 4 = 1 pct. 2. M. Paulet, C. Lazarescu, O. Bejenaru, A. Salceanu, Study on Induced Currents in an Elliptical Cylindrical Model by Overhead High Voltage Power Lines, pp. 1 – 5, 2019,11th International Symposium On Advanced Topics In Electrical Engineering (ATEE), Web of Science https://www.webofscience.com/wos/woscc/full-record/WOS:000475904500028 4 / 4 = 1 pct 3. M. Paulet, O. Plopa, G. A. Ursan, I. Ursu, Vibration and Mechanical Shock Monitoring Using Flexible Piezoelectric Sensors, pp. 1 – 6, 2019, 11th International Symposium On Advanced Topics In Electrical Engineering (ATEE), Web of Science https://www.webofscience.com/wos/woscc/full-record/WOS:000630287500037 4 / 4 = . 1 pct 4. O. Plopa, M. Paulet, G. A. Ursan, L. Ungureanu, C. Schreiner, Capacitive C and RC Sensorial Test Systems in LabVIEW Graphic Programming Environment with NI USB-6210 Acquisition Board, 2019 11TH INTERNATIONAL

	SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Web of Science https://www.webofscience.com/wos/woscc/full-record/WOS:000630287500091 4 / 5 = 0,8 pct V5. A. Salceanu, M. Paulet, B. D. Alistar, O.Asiminicesei, Upon the Contribution of Image Currents on the Magnetic Fields Generated by Overhead Power Lines, 2019 International Conference On Electromechanical And Energy Systems (Sielmen), Web of Science – https://www.webofscience.com/wos/woscc/full-record/WOS:000630287500088 4 / 4 = 1 pct. V6. M. V. Paulet; C. Lazarescu, A. Salceanu, Modeling the Currents Induced in the Human Body by an Overhead High Voltage Power Line, 2018 International Conference And Exposition On Electrical And Power Engineering (EPE), Web of Science https://www.webofscience.com/wos/woscc/full-record/WOS:00047590450002. 5. A. Salceanu, M. M. Poenaru, M. A. Anghel, M. Paulet, Approach on the Evaluation of Exposure to Low Frequency Electric Fields, Page 32-36, 2016, Proceedings Of The 21st Imeko Tc-4 International Symposium On Understanding The World Through Electrical And Electronic Measurement And 19th International Workshop On Adc Modelling And Testing, , Web of Science https://www.webofscience.com/wos/woscc/full-record/WOS:000416980600007 4 / 4 = 1 pct. 6. Petronela-Camelia Oprea, Marius Păuleț, Alexandru Sălceanu, Study upon the influence of mobile phone protective case on SAR distribution, International Conference on Electromagnetic Fields, Signals and BioMedical Engineering 06/06/2024 - 08/06/2024 Cluj-Napoca, Romania, DOI 10.1088/1757- 899X/1320/1/012022, https://iopscience.iop.org, 4/3 = 1.33 pct 7. M.R. Nechifor, A. Salceanu, M.V. Paulet, Web-Application for Assisting Solar Storage Design, pp. 622–626, - Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering EPE 2022, DOI: 10.1109/EPE56121.2022.9959744, IEEE Xplore 4/3 = 1.33 8. A. Salceanu, M. Roman Nechifor, M. V. Paulet, C. Popovici, Web Tool for Evaluating Photovoltaic Opportunitie for PotentialProsumers pp. 436–439, Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering EPE 2022, 2022, DOI: 10.1109/EPE56121.2022.9959073, IEEE Xplore 4 / 4 = 1 pct. 9. M.N. Roman, A. Salceanu, M. Paulet, D. Machidon, Evaluation upon the Energy Resources of Photovoltaic Systems depending on their Location, pp. 253–256, SIELMEN 2021 - Proceedings of the 11th International Conference on Electromechanical and Energy Systems,2021, DOI: 10.1109/SIELMEN53755.2021.9600326, IEEE Xplore 4/4 = 1 pct 10. M. Ursachianu, O. Bejenaru, C. Lazarescu, A. Salceanu, M. Paulet, The Assessment of Human Exposure in Iasi-City using Data Provided by the National Autonomous RF-EMF Monitoring System throughout 2020, pp. 225–230, - Proceedings of the 11th International Conference on Electromechanical and Energy Systems (SIELMEN 2021), 2021, DOI:10.1109/SIELMEN53755.2021.9600350, IEEE Xplore 4 / 5 = 0,8 pct. 11. M. V. Paulet, A. Salceanu, S. I. Ursache, D. F. Bordeianu, On the Cumulative Effect of Magnetic Fields in the Deviation Zones of Overhead High Voltage Power Lines, pp. 466–469, Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering (EPE 2020), 2020, DOI: 10.1109/EPE50722.2020.9305563, IEEE Xplore 4 / 4 = 1 pct. 12. M. V. Paulet, A. Salceanu, O. M. Asiminicesei, C. D. Neagu, Electric Field in the Vicinity of High Voltage Deviation Towers, pp. 452–456, - Proceedings of the 2020 11th International Conference and Exposition on Electrical And Power Engineering (EPE 2020), DOI: 10.1109/EPE50722.2020.9305612, 2020, IEEE Xplore 4 / 4 = 1 pct.

	13. O. Bejenaru, C. Lazarescu, M. V. Paulet, A. Salceanu, M. V. Ursachianu, Factors Influencing the Distribution of Maximum Specific Absorption Rates in Far Field Human Exposure Scenarios, ISSN: 2221-870X, September 2020, Volume 9, Number 3, pp. 59 – 64, ACTA IMEKO, 2020, DOI: https://doi.org/10.21014/acta_imeko.v9i3.794 4 / 5 = 0,8 pct. 14. A. Salceanu; M. Paulet; E. Lunca, Upon the Effect of Transposed Phasing on the Magnetic Field Produced by Overhead Power Lines, 2018 International Conference And Exposition On Electrical And Power Engineering (EPE 2018), 2018, DOI: 10.1109/ICEPE.2018.8559614, IEEE Xplore 4 / 3 = 1.33 pct. 15. A. Salceanu, E. Lunca, M. Paulet, Affordable evaluation of low frequency electric fields from the standpoint of Directive 2013/35/EU, ISSN: 2221-870X, December 2017, Volume 6, Number 4, pp. 37-45, ACTA IMEKO, DOI:https://doi.org/10.21014/acta_imeko.v6i4.486 4 / 3 = 1.33 pct. 16. A. Salceanu; M. Paulet; S. Ursache; M. M. Poenaru Evaluating the Cumulative Exposure to Low Frequency Electric Fields, Proceedings Of The 2016 International Conference And Exposition On Electrical And Power Engineering (Epe 2016), 2016, DOI: 10.1109/ICEPE.2016.7781372, IEEE Xplore 4 / 4 = 1 pct. 17. M. V. Paulet, A. Salceanu, O. M. Neacsu, Ultrasonic Radar, Proceedings Of The 2016 International Conference And Exposition On Electrical And Power Engineering (Epe 2016), 2016, DOI: 10.1109/ICEPE.2016.7781400, IEEE Xplore 4 / 3 = 1.33 pct. 18. M. V. Paulet, A. Salceanu, A. Salceanu, Automatic Recognition of the Person by ECG Signals Characteristics, 2015, 9th International Symposium On Advanced Topics In Electrical Engineering (ATEE), 2015, DOI: 10.1109/ATEE.2015.7133780, IEEE Xplore 4/3 = 1.33 pct. 19. A. Salceanu, M. V. Paulet, S. I. Ursache, Fast Method for Determining Significant Electrical Parameters of ESD-Textiles, 2015, 9th International Symposium On Advanced Topics In Electrical Engineering (ATEE), 2015, DOI: 10.1109/ATEE.2015.7133829, IEEE Xplore 4 / 3 = 1.33 pct. 20. S. Ursache, M. Paulet, A. Salceanu, C. Luca, Study Upon the Disturbing Potential of TETRA Electromagnetic Traffic, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), 2014, DOI: 10.1109/ICEPE.2014.6969944, IEEE Xplore 4 / 4 = 1 pct. 21. O. M. Neacsu, M. V. Paulet, A. Salceanu, Analysis of Current Pulse Generated by Electrostatic Discharge Simulator, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), 2014, DOI: 10.1109/ICEPE.2014.6969955, IEEE Xplore 4 / 3 = 1.33 pct. 22. Paulet, O. M. Neacsu, A. Salceanu, Virtual Device for Recovering the Hand Functions, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), 2014, DOI: 10.1109/ICEPE.2014.6969975, IEEE Xplore 4 / 3 = 1.33 pct. 23. M. V. Paulet, O. M. Neacsu, A. Salceanu, Wireless Monitoring System of the Heart Rate, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), 2014, DOI: 10.1109/ICEPE.2014.6969976, IEEE Xplore 4 / 3 = 1.33 pct. 24. O. M. Neacsu, M. V. Paulet, A. Salceanu, Expanding the Functionality of an EMF Spectrum Analyzer with Self-Performed Near Field Probes, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), DOI:10.1109/ICEPE.2014.6970017, IEEE Xplore 4 / 3 = 1.33 pct. 25. A. Salceanu, I. Nica, G. Lupuleasa, M. Paulet, Evaluating the Influence of DECT Transmission Systems on Sensitive Medical Devices, 2014, International Conference And Exposition On Electrical And Power Engineering (EPE), DOI:10.1109/ICEPE.2014.6970022, IEEE Xplore 4 / 4 = 1 pct.

	26. M. V. Paulet, O. M. Neacsu, A. Salceanu, Elearning Dedicated to the Students of Electrical Engineering, 2013 8th International Symposium On Advanced Topics In Electrical Engineering (ATEE), 2013, DOI:10.1109/ATEE.2013.6563364, IEEE Xplore 4 / 3 = 1,33 pct. 27. O. Neacsu, O. Beniuga, S. Ursache, M. Paulet, Modelling and Analysis the Current Pulse Associated with Electrostatic Discharges, Proceedings Of The 2012 International Conference And Exposition On Electrical And Power Engineering (EPE 2012), 2012, DOI:10.1109/ICEPE.2012.6463871, IEEE Xplore 4 / 4 = 1 pct. 28. M. V. Paulet, O. M. Neacsu, Oscilloscope with PC Interface to Save and Wireless Transmission of Data, Proceedings Of The 2012 International Conference And Exposition On Electrical And Power Engineering (EPE 2012), 2012, DOI: 10.1109/ICEPE.2012.6463834, IEEE Xplore 4 / 2 = 2 pct. 29.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membrane nanoporoase pentru pseudolivrarea intratecala a medicamentelor, ERANET-EURONANOMED-INTREPIDUS-1, nr. 193/2020, 535,700 RON, 2020-2023, 36 luni Prof. Ciobanu Romeo Cristian, 40*(535,700 /100.000)*10%= 21,42 puncte Membru în echipa de cercetare 2. Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane" MINaFBioS, PNIII - ERANET, MANUNET-III nr. 149/2020, 432,250 RON, 2020-2022, 30 luni, Director Prof. Schreiner Cristina, , 40*(432,250 /100.000)*10%= 17,29 puncte Membru în echipa de cercetare 3. Îmbunătățirea tehnologiilor de printare pentru fabricarea economica a sistemelor de analiză tip Point of Care (PRINTPoC), PNIII - ERANET, COFUND-MANUNET, nr. 17/2018, 427,700 RON, 2018-2020, 24 luni, Director Prof. Schreiner Cristina, 40*(427.700 /100.000)*10%= 17.10 puncte Membru în echipa de cercetare 4. Sistem de sortare a deșeurilor de constructii si demolari (DCD) bazat pe robotică avansată (STEWART), PNIII - ERANET, COFUND-MANUNET, nr. 22/2018, 547,137RON, 2018-2020, 24 luni, Director Prof. Ciobanu Romeo Cristian, 40*(427.700 /100.000)*10%= 21.88 puncte Membru în echipa de cercetare 5. Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabila sub actiunea campului electromagnetic, pentru aplicații electronice și biomedicale, PNIII - ERANET, COFUND-MANUNET, nr. 18/2018, 555,100RON, 2018-2020, 24 luni, Conf. Olariu Marius, 40*(555100 /100.000)*5%= 11,10 puncte Membru în echipa de cercetare 6. Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE), PNIII - Proiect ERANETCofund, Contract 83/2016, 710.968,5 RON, 2016 – 2018, 24 luni , Director Prof. Ciobanu Romeo Cristian, 40*(710.968,5 /100.000)*10%= 28,43 puncte Membru în echipa de cercetare 7. DIRECTOR proiect - “Cabinet medical virtual” – GnaC 2023 – 244/2024, 49771 RON, 27500.00 RON pt 2024, 30*(27500/100.000)*25%=2,06 puncte 8. Metoda avansată de diagnostic în stadiu incipient al neoplaziei gastrice bazată pe imagistica moleculară în domeniul terahertz activată cu nanoparticule (NanoTeraPlasia), PN-III-P2-2.1-PED-2016-1598 nr. 245PED/2017, 195,000 RON, 2017-2018, 16 luni, Director Prof. Ciobanu Romeo Cristian 30*(195,000/100.000)*10%=5.85 puncte Membru în echipa de cercetare

	9. Metodologie dielectrică nedistructivă neinvazivă comparativă de detectare rapidă a ingredientelor cu potențial major de risc pentru sănatate din produsele alimentare, PN II Parteneriat 51-015/2007, 627,691.01RON, 2007-2010, Director Prof. Ciobanu Romeo Cristian 30*(627,691.01/100.000)*10%=18,83 puncte Membru în echipa de cercetare 10. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calității și securității alimentelor, CEEX 173/2006, 150.000 RON, 2006 – 2008, Director Prof. Ciobanu Romeo Cristian Cristian 30*(150000/100.000)*10%=4,5 puncte Membru în echipa de cercetare 11. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul obținerii de biocompozite cu aplicații multisectoriale, CEEX 179/2006, 130000 RON, 2006- 2008, Director Prof. Ciobanu Romeo Cristian 30*(130000/100.000)*10%= 3,9 puncte Membru în echipa de cercetare 12. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul sistemelor virtuale și distribuite de design și management a cercetării, CEEX 188/2006, 155,400 RON, 2006 – 2008, Director Prof. Schreiner Cristina 30*(155,400/100.000)*10%= 4,66 puncte Membru în echipa de cercetare 13. Dezvoltarea parteneriatelor C/D pentru includerea excelenței Românești în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de proiecție la radiații electromagnetice în domeniul GHz, CEEX 202/2006, 150,000 RON, 2006 – 2008, Director Prof. David Valeriu / Prof. Schreiner Cristina 30*(150,000/100.000)*10%= 4,5 puncte Membru înechipa de cercetare 14. Ecrane pentru construcții speciale bazate pe structuri chiral-fagure, CEEX 46/2006, 550,000 RON, 2006 – 2008, Director Prof. David Valeriu / Prof. Temneanu Marinel 30*(550,000/100.000)*5%= 8,25 puncte Membru în echipa de cercetare 15. Dezvoltarea parteneriatelor C/Dîn vederea promovării unor proiecte europene în domeniul sistemelor sistemelor distribuite de monitorizare a mediului, CEEX 226/2006, 154829.2 RON, 2006 – 2008, Director Prof. Sălceanu Alexandru 30*(154829.2/100.000)*10%= 4.64 puncte Membru în echipa de cercetare 16. Laborator pentru încercări de imunitate la descărcări electrostatice (LIDES), CEEX, Nr. 187/2006, 292030.56 RON, 2006 – 2008, Director Prof. Alexandru Sălceanu 30*(292030.56/100.000)*10%= 8.76 puncte Membru în echipa de cercetare
Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Stamate Ciprian **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Cretan Stamate MI, Stamate C., Gafitanu C., Ochiuz L.: Computer vision applications in the analysis of drug-loaded microparticles, International Journal of Medical Dentistry, Vol.26 (2), (2022), pp.339-344. 3/4=0,75

	2. Doroftei I., Chirita D., Stamate C., Cazan S., Pascal C., Burlacu A.: Robotic system design and development for automated dismantling of PCB waste. Industrial Robot: the international journal of robotics research and application, Volume 48, Issue 5, pp.720-725. (2021). ISSN: 0143-991x. 3/6=0,5 3. Cazan S., Chirita D., Stamate C., Irimia D., Burlacu A., Doroftei I.: Dismantling strategy for capacitors placed on printed circuits boards: challenges and preliminary results, IOP Conference Series: Materials Science and Engineering, Vol. 997 (2020), 012071, doi:10.1088/1757-899X/997/1/012071, Online ISSN: 1757-899X, Print ISSN: 1757-8981, ISI Web of Science. 3/6=0,5 4. Stamate M.I., Stamate C., Bujor A., Ochiuz L.: Synthesis and analysis of nanofibers containing ketoprofen-betacyclodextrin complexes and polyvinyl alcohol for medical applications, International Journal of Medical Dentistry, vol.24, nr.2, p282-283. 2p, Apr-Jun 2020, ISSN: 2066-6063, ISI Web of Science. 3/4=0,75 5. Stamate C., Doroftei I., Chirita D., Burlacu A., On designing an automated tool for capacitors removal from waste printed circuits boards, IOP Conference Series: Materials Science and Engineering, Vol. 591 (2019), 012082, doi:10.1088/1757-899X/591/1/012082, Online ISSN: 1757-899X, Print ISSN: 1757-8981, ISI Web of Science. 3/4=0,75 6. Bernevig-Sava M.A., Stamate C., Lohan N.M., Baciu A.M., Postolache I., Baciu C., Baciu E.R.: Considerations on the surface roughness of SLM processed metal parts and the effects of subsequent sandblasting, IOP Conference Series: Materials Science and Engineering 572 (1), 012071, (2019) doi:10.1088/1757-899X/572/1/012071, Print ISSN: 1757-8981, ISI Web of Science. 3/7=0,43 7. Stamate M., Stamate C., Bujor A., Gafitanu C., Ochiuz L.: Preparation and characterization of some complexes of ketoprofen and hydroxypropyl beta cyclodextrin, 11th International Conference on Materials Science and Engineering – BraMat 2019. ISI Web of Science. 3/5=0,6 8. Bejinariu C., Florea C.D., Cimpoeșu N., Munteanu C., Paleu V., Stamate C., Istrate B., Cirlan Paleu C.: Microstructure and tribological properties of Al2O3 coatings prepared by air plasma spraying, 11th International Conference on Materials Science and Engineering – BraMat 2019. ISI Web of Science. 3/8=0,37 9. Stamate M.I., Stamate C.: Synthesis and Characterization of Microporous Cryogel Matrices with Anti-inflammatory Effect, Journal of Engineering Research and Application (IJERA), ISSN : 2248-9622, Vol. 8, Issue 7 (Part -II), July 2018, pp.16-19 3/2=1,5 10. Stamate M.I., Stamate C.: New Double-Layered Therapeutic Systems with High Mechanical Propertis and Excellent Bioavailability, The XXIInd International Scientific Conference "INVENTICA 2018", pp.257-261. ISI Proceedings/2018. 3/2=1,5 11. Stamate C., Stamate M.I., Hanganu S.C.: Computer vision applications in the analysis of drug-loaded nanofibers, 8th TEXTEH International Conference-Proceeding, Bucharest, pp.218-223, 2017. 3/3=1 12. Stamate Cretan M., Munteanu C., Birsan M., Stamate C.: IMAQ Vision Builder Applications in SEM Image Processing of Pharmaceutical Powders, Applied Mechanics and Materials Vol.859, pp.99-103, DOI:10.4028/www.scientific.net/AMM.859.99, ISSN:1662-7482, ISI Proceedings/2016. 3/4=0,75 13. Stamate C., Munteanu C., Stamate Cretan M.: Friction Analysis between Uhmwpe, Alumina-Magnesia Ceramic and Pva Hydrogel, Biomaterials for Prosthetic Devices, Applied Mechanics and Materials, vol.772, pp.33-37, DOI:10.4028/www.scientific.net/AMM.772.33, ISSN:1662-7482, ISI Proceedings/2015.

	3/3=1 14. Stamate C., Munteanu C. and Cretan Stamate M.: Wear Particle Analysis, the Result of Tribological Phenomena of Biomaterials Couplings-Ultra Hight Molecular Weight Polyethylene and Magnesium Aluminosilicate Ceramic, Solid State Phenomena Vol. 216 (2014) pp 226-230, © (2014) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/SSP.216.226, ISBN 978-3-03835-212-9, ISSN 1662-9779, ISI Proceedings/2014. 3/3=1 15. Stamate Cretan M., Stamate C.: The Synthesis and Characterization of PVA-Ketoprofen Cryogel, Biomaterial with Extended Drug Release Properties for Cartilage Replacement, Solid State Phenomena Vol. 216 (2014) pp 205-209, © (2014) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/SSP.216.205, ISBN 978-3-03835-212-9, ISSN 1662-9779, ISI Proceedings/2014. 3/3=1,5 16. Stamate Cretan M., Stamate C.: Three Dimensional Simulations in Real Time for Personalized Drug Release Prosthesis used in Lumbosacral Rehabilitation, Applied Mechanics and Materials Vol. 555 (2014) pp 695-700, © (2014) Trans Tech Publications, Switzerland, DOI:10.4028/www.scientific.net/AMM.555.695, ISBN (13) 978-3-03835-111-5, ISSN 1662-7482, ISI Proceedings/2014. 3/3=1,5 17. Bălan M.R., Stamate V.C., Houpert L., Tufescu A., Olaru D.N.: Influence of the Geometry on the Rolling Friction Torque in Lubricated Ball-Race Contacts, Applied Mechanics and Materials Vol. 658 (2014) pp 271-276, Advanced Concepts in Mechanical Engineering I, Chapter 4: Applied Tribology, Online available : 2014/Oct./01, © (2014) Trans Tech Publications, Switzerland, DOI :10.4028/www.scientific.net/AMM.658.271, ISBN (13) 978-3-03835-111-5, ISSN 1662-7482, ISI Proceedings/2014. 3/5=0,6 18. Stamate Cretan M., Gafitanu C., Stamate C. and Gafiţanu E.: Evaluation of Surface Roughness Variation of Solid Dosage Forms in Simulated Physiological Conditions, Applied Mechanics and Materials, Vol.245, pp.68-73, DOI:10.4028/www.scientific.net/AMM.245.68, ISBN(13):978-3-03785-554-6, ISSN:1662-7482, ISI Proceedings/2013. 3/4=0,75 19. Stamate Cretan M., Stamate C.: Tribological Analysis and Optimization of Polymer Prosthetic Components as Drug Delivery Systems, Applied Mechanics and Materials, Vol.332, pp.521-526, DOI:10.4028/www.scientific.net/AMM.332.521, ISBN(13):978-3-03785-733-5, ISSN:1662-7482, ISI Proceedings/2013. 3/2=1,5 20. Stamate Cretan M., Munteanu C., Gafitanu E., Barbinta A.C., Stamate C.: Synthesis and SEM Analysis of Ketoprofen-Hidroxipropil-ß-Cyclodextrin Microparticles for Medical Applications as Drug-Release System with a High Bioavailability, Applied Mechanics and Materials, Vol.325-326, pp 106-110, DOI:10.4028/www.scientific.net/AMM.325-326.106, ISBN(13):978-3-03785-444-0, ISSN:1662-7482, ISI Proceedings/2013. 3/5=0,6 21. Stamate Creţan M., Gafitanu C., Stamate C., Gafitanu E.: Evaluation of Surface Roughness Variations of Solid Dosage Forms in Simulated Physiological Conditions, Applied Mechanics and Materials, 2013, 245, 68-73, BDI. 3/4=0,75 22. Budel A.C., Stamate V.C., Bălan M.R., Olaru D.: Friction in the KWE 15 linear ball recirculating guideway. Experimental validations for unloaded carriage, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, Vol.56, No.4, pp.643-648, ISSN:1221-5872, BDI/2013. 3/4=0,75 23. Bălan M.R., Bălan L., Stamate V.C., Dumitraşcu A.C., Olaru D.: Influence of the lubrication on friction in microball bearings, TEHNOMUS Journal Vol.20, No.1, pp.434-438, ISSN:1224-029X, BDI/2013. 3/5=0,6

	24. Stamate Cretan M., Gafitanu C., Stamate C., Gafitanu E.: The Characterization of Ketoprofen- Hydroxypropyl–B-Cyclodextrin Complex with Modified Drugs Release Properties, Solid State Phenomena, Vol.188, pp.70-75, DOI:10.4028/www.scientific.net/SSP.188.70, ISBN:978-3-03785-391-7, ISSN:1662-9779, ISI Proceedings/2012. 3/4=0,75 25. Stamate Cretan M., Gafitanu C., Stamate C. and Gafitanu E.: Effect of Dry Binders on Mechanical Properties of Ketoprofen-Cyclodextrin Extended Drug Release Systems, Applied Mechanics and Materials, Vol.186, pp.143-148, DOI:10.4028/www.scientific.net/AMM.186.143, ISBN(13):978-3-03785-444-0, ISSN:1662-7482, ISI Proceedings/2012. 3/4=0,75 26. Stamate Cretan M., Munteanu C., Gafiţanu E., Bărbînţă A.C., Stamate C.: Synthesis and SEM Analysis of Ketoprofen-Hidroxipropil-β-Cyclodextrin Microparticles for Medical Applications as Drug-Release System with a High Bioavailability, International Proceedings of Computer Science and Information Technology, Mechanical Engineering, Robotics and Aerospace, IPCSIT, IACSIT Press, Singapore, ISBN:978-981-07-0420-9, ISSN:2010-460X, Proceeding ISI Indexed/2011. 3/5=0,6 27. Olaru D.N., Stamate C., Dumitrascu A.C., Prisăcaru Gh.: Experimental Investigations of RollingFriction in Mechatronics Microsystems, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, Vol.52, No.3, pp.329-332, ISSN:1221-5872, BDI/2009.3/4=0,75 28. Olaru D., Stamate C., Prisacaru G., Ianus G.: New Micro Tribometers for Sliding and Rolling Friction, Viennano'09, No.198, pp.1-5, Vienna, Austria, BDI/2009.3/4=0,75 28. Olaru D., Stamate C., Dumitrascu A., Ianus G.: Friction in the Microtribosystems. Influence of Condensed Water, The Annals of University "Dunărea de Jos" of Galaţi, Fascicle VIII, 2009 (XV), pp.15-19, Issue 1, Tribology, ISSN:1221-4590, BDI/2009.3/4=0,75 30. Stamate C., Olaru D., Prisacaru Gh., Ianus G.: Rolling Friction in the Mechatronic Microsystems, International Conference 6th Workshop on European Scientific and Industrial Collaboration on promoting Advanced Technologies in Manufacturing WESIC'08, pp.295-302. BDI/2008.3/4=0,75 31. Stamate Creţan M., Zaharia O.C., Stamate C.: The SEM Surface Characterization of Wear Particles a Result of Intervertebral Disc Prosthesis Fretting, 6th Workshop on European Scientific and Industrial Collaboration on promoting Advanced Technologies in Manufacturing, WESIC'08, pp.328-334, BDI/2008. 3/3=1 32. Olaru D.N., Stamate C., Prisacaru Gh., Lorenz P.: The Influence of the Surface Condensed Water on Friction in Microsystems, 53rd Internationales Wissenschaftliches KolloquiumTechnische Universität Ilmenau, pp.1-9, BDI/2008. 3/4=0,75 33. Olaru D.N., Stamate C., Prisacaru Gh.: New Microtribometers for Sliding and Rolling Friction. Experimental Investigations, Buletin I.P.Iasi, Fasc.IV, Tom LIV (LVIII), pp.477-484, ISSN:1011-2855, BDI/2008. 3/3=1 34. Stamate Creţan M., Gafiţanu M., Stamate C.: Optimisation of human intervertebral disc prosthesis a new mechanical support and drug release system, Scientific Bulletin Series C: Fascicle Mechanics, Tribology, Machine Manufacturing Technology; Baia Mare Vol.22,pp.1-6, BDI/2008. 3/3=1 35. Stamate Creţan M., Gafiţanu M., Stamate C.: Characterizing the Wear Particles of Intervertebral Disc Prosthesis and their Biological Response, The Annals of University "Dunărea de Jos" of Galaţi, Fascicle VIII, 2008 (XIV), pp.93-96, ISSN:1221-4590, Tribology, BDI/2008.3/3=1 36. Stamate Creţan M., Gafiţanu M., Stamate C.: Micro-structural evolution of uhmwpe biomaterial for medical aplication,

	Buletinul Institutului Politehnic din IAŞI, 2008, LVIII (4), 125-130, BDI. 3/3=1 37. Olaru D.N., Stamate C., Prisacaru Gh., Lorenz P.: The Influence of the Atmospheric Condensed Water onFriction in a Micro Rolling Systems,16th International Colloquium Tribology, TA Esslingen, Jan. 15-17, 2008, p. 90, ISBN 3-924813-73-6. BDI/2008.3/4=0,75 38. Stamate C., Stamate Creţan M., Zaharia O.C.:Nanotechnology in medical applications, Buletinul Institutului Politehnic din IAŞI, 2006, LVI (6B), 83-88, BDI.3/3=1
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Stamate Cretan M., Cojocaru I., Birsan M., Stamate C.: Photomicrograph - evolution and application in medicine and pharmacy, SRIF, nr.25/2016, pp. 301-306, ISSN 2457-3027. 1/4=0,25 2. Stamate Cretan M., Hanganu C.S., Todirica A., Gafitanu C., Stamate C.: History, evolution and applications of automated systems for parenteral administration of drugs, SRIF, nr.25/2016, pp. 307-313, ISSN 2457-3027.1/5=0,2
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Brevet de invenție nr. 127562 A2 - RO-BOPI 6/2012, din 29.06.2012 Titlul brevetului: Procedeu şi microtribometru inerţial pentru studiul fenomenului de frecare de rostogolire Autori brevet : Dumitru OLARU, Ciprian STAMATE, Gheorghe PRISĂCARU, Gelu IANUŞ. 4/4=1 2. Brevet de invenție nr. 127849 A2,- RO-BOPI 9/2012, din 28.09.2012 Titlul brevetului: Microtribometru gravitaţional pin-disc pentru studiul fenomenului de frecare de alunecare Autori brevet : Dumitru OLARU, Ciprian STAMATE, Gheorghe PRISĂCARU, Gelu IANUŞ, Alina Corina DUMITRAŞCU. 4/5=0,8
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Proiect P-CD modul I/2006, CEEX, contract nr. 205/20.07.2006 Titlul proiectului: *Sisteme mecatronice mobile inteligente cu impact ecologic pentru echipamente textile. SYMTEX* Autoritatea contractantă: Agenţia Managerială de Cercetare Ştiinţifică, Inovare şi Transfer Tehnologic - POLITEHNICA Bucureşti. Contractor: Universitatea Tehnică “Gh. Asachi” din Iaşi. Director de proiect: conf.dr.ing. Lucian C. HANGANU. Durata proiectului: 24 luni, Perioada: sept. 2006 - sept. 2008 Valoare contract 2006: 138000 RON / 3,5245 RON/EURO = 39154,489 EURO Valoare contract 2007: 283000 RON / 3,3372 RON/EURO = 84801,630 EURO Valoare contract 2008: 209000 RON / 3,6827 RON/EURO = 56751,839 EURO Valoare contract Total: 630000 RON / = 180707,958 EURO **Membru colectiv cercetare:** drd.ing. Ciprian STAMATE, (5 membri) Indice raport = Val. contract Total / Val. medie TUIASI.2008 = 630000/107860=5,841. 5,841*30/5=35,045 2. Proiect CNCSIS cod contract nr. 33/2007, tema 22. Proiect CNCSIS cod contract nr. 77/2008, tema 33. Titlul proiectului: *Polimeri Electroactivi (PEA) - O nouă clasă de actuatori neconvenţionali.* Autoritatea Contractantă: Consiliul National al Cercetării Ştiinţifice din Învăţământul Superior (CNCSIS). Contractor: Universitatea Tehnică „Gh. Asachi” din Iaşi. Director proiect: conf.dr.ing. Gheorghe PRISĂCARU. Durata proiectului: 24 luni, Perioada: sept. 2007 - sept. 2009 Valoare contract 2007: 65000 RON / 3,3372 RON/EURO = 19477,406 EURO

	Valoare contract 2008: 63000 RON / 3,6827 RON/EURO = 17107,014 EURO Valoare contract Total: 128000 RON / = 36584,420 EURO **Membru colectiv cercetare:** drd.ing. Ciprian STAMATE, (4 membri) Indice raport = Val. contract Total / Val. medie TUIASI.2008 = 128000/107860=1,186. 1,186*30/5=8,900 3. Proiect PN II R.U. cod TD-208, contract nr. 277/01.10.2007 Titlul proiectului: *Contribuţii la studiul teoretic şi experimental al forţelor în microsisteme biologice şi mecatronice.* Autoritatea Contractantă: Unitatea Executivă pentru Finanţarea Învăţământului Superior şi a Cercetării Ştiinţifice Universitare (UEFISCSU). Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi. Durata proiectului: 12 luni, Perioada: oct. 2007 - oct. 2008 Valoare contract 2007: 5551 RON / 3,3372 RON/EURO = 1663,370 EURO Valoare contract 2008: 16184 RON / 3,6827 RON/EURO = 4394,602 EURO Valoare contract Total: 21.735 RON / = 6057,972 EURO **Director de proiect:** drd.ing. Ciprian STAMATE, (1 membru) Indice raport = Val. contract Total / Val. medie TUIASI.2008 = 21735/107860=0,201. 0,201*30/1=6,045 4. Proiect PN II – IDEI cod ID 607, contract nr. 381/2007. Titlul proiectului: *Cercetări privind reducerea frecării în microsisteme mecatronice.* Autoritatea Contractantă: Unitatea Executivă pentru Finanţarea Învăţământului Superior şi a Cercetării Ştiinţifice Universitare (UEFISCSU). Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi. Director proiect: prof.dr.ing. Dumitru OLARU. Durata proiectului: 36 luni, Perioada: oct. 2007 - oct. 2010 Valoare contract 2007: 41400,00 RON / 3,3372 RON/EURO = 12405,609 EURO Valoare contract 2008: 355505,80 RON / 3,6827 RON/EURO = 96534,010 EURO Valoare contract 2009: 126968,94 RON / 4,2373 RON/EURO = 29964,586 EURO Valoare contract 2010: 147766,79 RON / 4,2099 RON/EURO = 35099,834 EURO Valoare contract Total: 671641,53 RON / = 174004,039 EURO Membru colectiv cercetare**:** asist.drd.ing. Ciprian STAMATE, (4 membri) Indice raport = Val. contract Total / Val. medie TUIASI.2008 = 671641/107860=6,227. 6,227*30/4=46,702 5. Proiect PNII – Parteneriate, contract nr. 72178/2008. Titlul proiectului: *Sisteme mecatronice inteligente pentru echipamente textile.* Autoritatea Contractantă: Unitatea Executivă pentru Finanţarea Învăţământului Superior şi a Cercetării Ştiinţifice Universitare (UEFISCSU). Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi. Director de proiect: conf.univ.dr.ing. Carmen LOGHIN. Durata proiectului: 36 luni, Perioada: dec. 2008 - dec. 2011 Valoare contract 2009: 51208 RON / 4,2373 RON/EURO = 12085,054 EURO Valoare contract 2010: 72903 RON / 4,2099 RON/EURO = 17317,038 EURO Valoare contract 2011: 173297 RON / 4,2379 RON/EURO = 40892,187 EURO Valoare contract Total: 297408 RON / = 70294,279 EURO Membru colectiv cercetare**:** asist.drd.ing. Ciprian STAMATE, (5 membri) Indice raport = Val. contract Total / Val. medie TUIASI.2011 = 297408/102539=2,900. 2,900*30/5=17,403 6. Cod Contract: POSDRU/56/1.2/S/32768. Titlul proiectului: *Formarea cadrelor didactice universitare şi a studenţilor în domeniul utilizării unor instrumente moderne de predare-învăţare - evaluare pentru disciplinele matematice, în vederea creării de competenţe performante şi practice pentru piaţa muncii*. Beneficiar: Ministerul Educaţiei, Cercetării, Tineretului şi Sportului. Perioada: 1 – 30 noiembrie 2011. **Cursant:** asist.drd.ing. Ciprian STAMATE

	7. Cod Contract: PN-III-P1-1.2-PCCDI-2017-0652. Contract nr. 84PCCDI/2018 Titlul proiectului: Tehnologii inovative pentru recuperarea avansată a materialelor din deșeuri de echipamente informatice și de telecomunicații (TRADE-IT) Director proiect complex (DPC): conf.univ.dr.ing. Ioan Marius PURCAR Coordonator: Universitatea Babeș Bolyai din Cluj - Napoca. Partener 4 proiect complex (P4) - Universitatea Tehnică "Gheorghe Asachi" Iaşi; Responsabil partener 4 (RP4): prof.univ.dr.ing. Ioan DOROFTEI PROIECT 1 ”Tehnologii optimizate cu impact redus asupra mediului pentru recuperarea avansata a materialelor din deșeuri de echipamente informatice și de telecomunicații” – TORA Durata proiectului: 36 luni, Perioada: oct. 2017 - dec. 2020 Valoare contract 2018: 102440 RON / 4,6535 RON/EURO = 22013,538 EURO Valoare contract 2019: 108625 RON / 4,7452 RON/EURO = 22891,554 EURO Valoare contract 2020: 123480 RON / 4,8371 RON/EURO = 25527,692 EURO Valoare contract 2021: 21705 RON / 4,9204 RON/EURO = 4411,227 EURO Valoare contract Total: 356250 RON / = 74844,011 EURO Membru cercetare științifică: ș.l.dr.ing. Ciprian STAMATE, (4 membri) Indice raport = Val. contract Total / Val. medie TUIASI.2019 = 356250/87040=4,093. 4,093*30/4=30,697 8. Cod Contract: CNFIS-FDI-2020-0157. Titlul proiectului: ”Internaționalizare Creativă la TUIASI – INTER-BUZZ în domeniul internaționalizării învățământului superior. „Empower Your Online Public Speaking Competences” – training de comunicare digitală pentru cursuri online, dedicat profesorilor TUIASI. Perioada: 3 – 6 august 2020. **Cursant:** ș.l.dr.ing. Ciprian STAMATE 9. Contract Principal: ROSE AG329/SGU/PV/III/2020. Titlul proiectului: *Școala de vară pentru elevi „Vreau să fiu student” – MECSTUD*. Contractor: Universitatea Tehnică „Gh. Asachi” din Iaşi Director de proiect: conf.univ.dr.ing. Gelu IANUȘ Durata proiectului: 28 luni, Perioada: mar. 2021 - iul. 2023 Valoare contract 2021: 201262,59 RON / 4,9204 RON/EURO = 40903,705 EURO Valoare contract 2022: 222132,83 RON / 4,9315 RON/EURO = 45043,664 EURO Valoare contract 2023: 185752,55 RON / 4.9412 RON/EURO = 37592,599 EURO Valoare contract Total: 609147,97 RON / = 123539,968 EURO Atelier de lucru - ”Mașina inteligentă”. Formator (FR): ș.l.dr.ing. Ciprian STAMATE, (15 membri). Indice raport = Val. contract Total / Val. medie TUIASI.2022 = 609147/143068=4,257. 4,257*30/15=8,515

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Tărniceriu T. Carmen **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)

	1. C.O. Tarniceriu, Age structure in neuronal models, (review paper), Special Issue of the Journal „Annals of the Alexandru Ioan Cuza University of Iaşi" (new series), Mathematics, „Surveys în Mathematical Biology and Medicine. Modeling, simulations and control.", 66(2), 2020.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. G.Dumont, C.O. Tarniceriu, Pattern formation in a spiking neural-field of renewal neurons, SIAM Journal on Applied Dynamical Systems, 23(4), 2670-2694, 2024. 2. G.Dumont, J.Henry, C.O. Tarniceriu, Oscillations in a fully-connected network of leaky integrate-and-fire neurons with a Poisson spiking mechanism, Journal of Nonlinear Science, 34(1), 2024. 3. G.Dumont, J.Henry, C.O. Tarniceriu, A theoretical connection between the Noisy Leaky Integrate-and-Fire and the Escape Rate models: The non-autonomous case, Mathematical Modelling of Natural Phenomena, DOI: 10.1051/mmnp/2020017, 2020 4. G. Dumont, J. Henry, C.O. Tarniceriu, Noisy threshold in neuronal dynamics: Connections with leaky integrate-and-fire model, Journal of Mathematical Biology, 2016, vol. 73, issue 6-7, pp 1413 -1436, DOI: 10.1007/s00285-016-1002-8. 5. G. Dumont, J. Henry, C.O. Tarniceriu, Theoretical connections between mathematical neuronal models corresponding to different expressions of noise, Journal of Theoretical Biology, 2016, vol. 406, pp. 31-41, DOI: 10.1016/j.jtbi.2016.06.022. 6. G.Dumont, J. Henry, C.O. Tarniceriu, A Density Model for A Population of Theta- Neurons, Journal of Mathematical Neuroscience, 4(1):2, 2014 7. A. Garenne, J. Henry, C.O. Tarniceriu, Analysis of Synchronization in a Neural Population by a Population Density Approach, Math. Model. Nat. Phenom. Vol. 5, No. 2, pp. 5-25, 2010 8. C.O. Tarniceriu , Optimal Strategy for a Harvesting Problem of Population Dynamics with Logistic Term, „Analele Ştiintifice ale Universităţii Al. I. Cuza Iaşi", 56 (fasc I), 2010, 25-38. 9. C.O. Tarniceriu , Asymptotic behavior for a nonlinear age-structured population model with diffusion, Analele Ştiinţifice ale Universităţii Al. I. Cuza Iaşi, fasc. 2 (Tomul LIV), 2008 10. S. Anita, C.O. Tarniceriu, Stabilization for a periodic predator-prey system Abstract and Applied Analysis, volume 2007, doi:10.1155/2007/86183
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. C.O. Tarniceriu, V.M.Veliov , Optimal Control for a Class of Size-Structured Systems, Lecture Notes in Computer Science (ISI Conference Proceedings), volume 4818, Springer Verlag, 456-462,2008 2. International Conference on Applied and Pure Mathematics, November 2024, Iasi, Romania, cu lucrarea Oscillations in a fully-connected network of leaky integrate-and- fire neurons with a Poisson spiking mechanism 3. International Conference on Applied and Pure Mathematics, 31-st October - November 3, 2019, Iasi, Romania cu lucrarea A nonlinear PDE system describing a network of neurons with Poisson spiking mechanism 4. International Conference on Applied and Pure Mathematics, November 2-5, 2017, Iasi, Romania cu lucrarea Connections between mathematical formalizations of noise in neural dynamics 5. International Conference on Applied and Pure Mathematics, November 1-3, 2013, Iasi, Romania cu lucrarea Density Models for Populations of Neurons 6. G.Dumont, J. Henry, C.O. Tarniceriu, Analysis of behaviour of a neural population, NEUROCOMP Computational Neuroscience: From Multiple Levels to Multilevel, 16-18 Sept. 2009, Bordeaux, France

	7. A. Garenne, J. Henry, C.O. Tarniceriu, Analysis of synchronization in a neural population by a population density approach, CMPD 3 – The Third Conference on Computational and Mathematical Population Dynamics, Bordeaux, France, May 31— June 4, 2010. 8. C.O. Tarniceriu, Optimal control for a size structured system, International Exploratory Workshop on Differential Equations and Applications in Life Sciences, Iasi, Romania, September 5-7 2008 9. S. Anita, C.O. Tarniceriu, Stabilization for a reaction-diffusion system in periodic environment, 9-th International Symposium on Automatic Control and Computer Science, November 2007, Iasi, Romania 10. K.Georgiev, C.O. Tarniceriu, V. Veliov, Numerical optimal control of size structured systems, Information days on BIS 21++ project, September 28-29, Borovets, Bulgaria 11. International Conference on Applied and Pure Mathematics, November 2024, Iasi, Romania, cu lucrarea Oscillations in a fully-connected network of leaky integrate-and- fire neurons with a Poisson spiking mechanism 12. International Conference on Applied and Pure Mathematics, 31-st October - November 3, 2019, Iasi, Romania cu lucrarea A nonlinear PDE system describing a network of neurons with Poisson spiking mechanism 13. International Conference on Applied and Pure Mathematics, November 2-5, 2017, Iasi, Romania cu lucrarea Connections between mathematical formalizations of noise in neural dynamics 14. International Conference on Applied and Pure Mathematics, November 1-3, 2013, Iasi, Romania cu lucrarea Density Models for Populations of Neurons 15. G.Dumont, J. Henry, C.O. Tarniceriu, Analysis of behaviour of a neural population, NEUROCOMP Computational Neuroscience: From Multiple Levels to Multilevel, 16-18 Sept. 2009, Bordeaux, France 16. A. Garenne, J. Henry, C.O. Tarniceriu, Analysis of synchronization in a neural population by a population density approach, CMPD 3 – The Third Conference on Computational and Mathematical Population Dynamics, Bordeaux, France, May 31— June 4, 2010. 17. C.O. Tarniceriu, Optimal control for a size structured system, International Exploratory Workshop on Differential Equations and Applications in Life Sciences, Iasi, Romania, September 5-7 2008 18. S. Anita, C.O. Tarniceriu, Stabilization for a reaction-diffusion system in periodic environment, 9-th International Symposium on Automatic Control and Computer Science, November 2007, Iasi, Romania 19. K.Georgiev, C.O. Tarniceriu, V. Veliov, Numerical optimal control of size structured systems, Information days on BIS 21++ project, September 28-29, Borovets, Bulgaria
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Expert educație (Matematică) în proiectul ROSE AG 185, Creşterea gradului de retentie în primul an de studii universitare în inginerie electrică şi energetică prin reducerea abandonului şi creşterea promovabilității

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.

Vîrlan C. Bogdan **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. A. Munteanu, L. Livadaru, Al. Simion, B. Virlan, B. Anghel, Influence of the Stator Winding on the Performance of a five-Phase PMSG, Buletin AGIR nr.4/2013, p. 195-199, ISSN-L 1224-7928. (Revistă) 2. Bogdan Virlan, Alecsandru Simion, Leonard Livadaru, Adrian Munteanu, Ana-Maria Mihai, Sorin Vlasceanu, External rotor shape estimation of an induction motor by fem analysis,, Buletinul AGIR, Inginerie Electrică şi Convertoare Energetice, An XVI, nr.4/2011 ca urmare a participării la „Al 4-lea Simpozionul Internaţional de Inginerie Electrică şi Convertoare Energetice" ,,ELS 2011'', Suceava, România. ISSN-L 1224-7928, Online: ISSN 2247- 3548., pp: 27–32, 6 pg. (Revistă) 3. Ana-Maria Mihai, Alecsandru Simion, Leonard Livadaru, Bogdan Virlan, Adrian Munteanu, Sorin Vlasceanu, Novel core design for performance of the induction machines, Buletinul AGIR, Inginerie Electrică şi Convertoare Energetice, An XVI, nr.4/2011 ca urmar. a participării la „Al 4-lea Simpozionul Internaţional de Inginerie Electrică şi Convertoare Energetice" ,,ELS 2011'', Suceava, România. ISSN-L 1224-7928, Online: ISSN 2247-3548., pp: 23–26, 4 pg. (Revistă)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. Ionut Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41-50, 2023, doi:10.4316/AECE.2023.04005 2. L. Livadaru, A. Munteanu , Al. Simion, B. Virlan, S. Benelghali Study on the Fault-Tolerance Concept of the Five-Phase Permanent Magnet Synchronous Generator, Advances in Electrical and Computer Engineering, Vol. 14, Iss. 2, p. (77- 84), may 2014, ISSN 1582-7445, 3. B. Virlan, S. Benelghali, Al. Simion, L. Livadaru, R. Outbib, A. Munteanu, Induction Motor with Outer Rotor and Ring Stator Winding for Multispeed Applications, IEEE Transactions on Energy Conversion, Vol. 28, No. 4, December 2013, p. 999-1007, ISSN 0885-8969.
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173. 2. M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090. 3. A. Vîlcu, M. Pîslaru, I. Nacu, B. Vîrlan, Ş. E. Moşneguţu and I. V. Herghiligiu, "Design of a Single-Phase Asynchronous Motor Prototype by Overlaying the Value Analysis Method on Dynamic Simulation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 670- 675, doi: 10.1109/EPEi63510.2024.10758111. 4. M.-E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, "The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi:

10.1109/EPEi63510.2024.10758153.
5. B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116
6. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811.
7. L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784.
8. B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796
9. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755.
10. N. Ion, M. Adrian, V. Bogdan, S. Alecsandru, L. Leonard and N. Ionut, "Comparative Analysis of Fractional Slot Concentrated Wound Permanent Magnet Synchronous Machines with Different Stator Grain Oriented Electric Steel Lamination Topologies," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 605-609, doi: 10.1109/EPE56121.2022.9959788
11. V. Bogdan, S. Alecsandru, M. Adrian, L. Leonard and N. Ionut, "Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 388-392, doi: 10.1109/EPE56121.2022.9959836
12. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327.
13. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 349- 352, doi: 10.1109/SIELMEN53755.2021.9600382.
14. A. Munteanu, A. Bobu, L. Livadaru, B. Vîrlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In-Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.
15. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent

Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator : 15 slots /16 magnets three- phase generator to 15 slots/18 magnets five-phase generator," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537.

16. A. Bobu, A. Munteanu, L. Livadaru, A. Simion and B. Vîrlan, "Comparative Study of an External Rotor Permanent Magnet Synchronous Generator with Fractional Slot Concentrated Winding and Different Number of Pole Pairs for Wind Energy Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 365-369, doi: 10.1109/EPE50722.2020.9305650.

17. L. Livadaru, B. Vîrlan, A. Munteanu, A. Bobu, I. Nacu and A. Simion, "Outer Rotor PM Synchronous Generator for Household Wind Power Generation Comparative study upon structural solution," 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIELMEN.2019.8905869.

18. A. Munteanu, L. Livadaru, B. Virlan, A. Simion and I. Nacu, "Magnetic Circuit Segmentation Effect on a Permanent Magnet Fractional Slot Synchronous Generator," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0797-0801, doi: 10.1109/ICEPE.2018.8559638.

19. I. Nacu, A. Munteanu, H. Heireche, B. Virlan and B. Anghel, "Thermal Analysis of a Low Speed Permanent Magnet Synchronous Generator for Wind Turbine Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0906-0909, doi: 10.1109/ICEPE.2018.8559756.

20. B. Vîrlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0987-0991, doi: 10.1109/ICEPE.2018.8559650.

21. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Low Speed Permanent Magnet Synchronous Generator for Wind Turbines Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2018, pp. 0802-0805, doi: 10.1109/ICEPE.2018.8559640.

22. Adrian Munteanu, Bogdan Virlan, Leonard Livadaru, Alecsandru Simion, Five phase permanent magnet synchronous generator distributed winding to fractional slot concentrated winding, 2017 International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11-13 Oct. 2017, Iasi, Romania, ISSN 10.1109/ SIELMEN.2017.8123286, pp: 151 – 156, 6 pg.

23. Bogdan Virlan, Adrian Munteanu, Leonard Livadaru, Alecsandru Simion, Ionut Nacu, Pole magnets segmentation effect on permanent magnet synchronous generators, , 2017 International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11-13 Oct. 2017, Iasi, Romania, ISSN 10.1109/ SIELMEN.2017.8123286, pp: 163 - 168, 6 pg.

24. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion, FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 1 — Operation under healthy conditions, 2017 International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11-13 Oct. 2017, Iasi, Romania, ISSN 10.1109/ SIELMEN.2017.8123286, pp: 119 - 124, 6 pg.

25. Leonard Livadaru, Alexandra Bobu, Adrian Munteanu, Bogdan Vîrlan, Alecsandru Simion, FEM-based analysis on the operation of three-phase induction motor connected to six-phase supply system: Part 2 — Study on fault-tolerance capability, 2017 International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11-13 Oct. 2017, Iasi, Romania, ISSN 10.1109/.2017.8123286, pp: 125 - 130, 6 pg.

26. A. Munteanu, L. Livadaru, A. Simion, B. Virlan and A. M. Crauciuc, "An efficient approach for 3D toroidal

transformers simulation," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 277- 280. doi: 10.1109/ICEPE.2016.7781347

27. M. S. Bodea, A. Simion, L. Livadaru, A. Munteanu, B. Virlan and B. Anghel, "Fractional slot permanent magnet machine with outer rotor," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 256-260. doi: 10.1109/ICEPE.2016.7781343

28. A. Munteanu, L. Livadaru, A. Simion and B. Virlan, "Single-tooth winding induction motor with external rotor for electric vehicle applications," 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, 2016, pp. 209-212. doi: 10.1109/ICEPE.2016.7781334

29. M. Bodea, A. Simion, L. Livadaru, A. Munteanu and B. Vîrlan, "Comparative finite element analysis of two PM fractional slot machines with 9/8 and 9/10 structure," 2016 IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 2016, pp. 545-550. doi: 10.1109/EPEPEMC.2016.7752054

30. A. Munteanu, Al. Simion, L. Livadaru, B. Virlan, M. Sandru, - Three Phase Sqirrel-Cage Induction Motor Optimization Using Finit Element Method, EPE 2012, 7th International Conference on Electrical and Power Engineering, Oct 25-27, 2012, p.(464-467), ISBN 978-1-4673-1172-4

31. B. Virlan, Al. Simion, L. Livadaru, S. Benelghali, R. Outbib, Analysis of a three phase induction motor with outer rotor for multi-speed applications, Conferinţa Internațională de Mașini Electrice, a XX-a ediție, ,,ICEM 2012'', 02-05 September 2012, Marsilia, Franța, ISBN: 978-1-4673-0141-1, pp:409 – 415, 6 pg.6

32. B. Virlan, S. Benelghali, A. Munteanu, Al. Simion, R. Outbib, Multi-speed induction motor for direct drive applications, Conferinţa Internațională de Mașini Electrice, a XX-a ediție, ,,ICEM 2012'', 02-05 September 2012, Marsilia, Franța, ISBN:978-1-4673-0141-1, pp:1926 – 1932, 6 pg.

33. B. Vîrlan, Al. Simion, L. Livadaru, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – FEM Based Transient Analysis of an Induction Machine with External Rotor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(227- 230), ISBN 978-606-13-0079-2

34. Al. Simion, B. Vîrlan, L. Livadaru, A. Munteanu, A.-M. Mihai, (2010) – Induction Motor with external Rotor and Toroidal Stator Winding, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(223-226), ISBN 978-606- 13-0079-2

35. L. Livadaru, B. Vîrlan, Al. Simion, A. Munteanu, S. Mihai, A. Malanciuc, (2010) – Finite Element Analysis Concerning the Influence of Rotor Slot Configuration on the Performance of High-Speed Induction Motor, EPE 2010, 6th International Conference on Electrical and Power Engineering, vol.II, p.(197-200), ISBN 978-606-13-0079-2

36. Ana-Maria Mihai, Alecsandru Simion, Leonard Livadaru, Bogdan Virlan, Gabriel Ghidus, Study on the influence of the rotor slot shape upon the performance developed by the induction motor with deep bar using fem analysis, Conferinţa Internaţională de Inginerie Electrica și Energetică ,,EPE 2010'', octombrie 28-30, 2010, Iasi, Romania; ISBN vol II: 978-606-13-0078-5, ISBN general: 978-606-13-0079-2, pp: 201-204, 4 pg.

37. Bogdan Vîrlan, Leonard Livadaru, Alecsandru Simion, Adrian Munteanu, Ana- Maria Mihai, Design and fem simulation of a fractional power three-phase induction motor for oil-submerged applications, Conferinţa Europenă de Modelare și Simulare, ,,ECMS 2011'' , Octombrie 07 - 10, 2011, Cracovia, Polonia, , ISBN: 978-0-9564944-2- 9, ISBN CD: 978-0-9564944-3-6. pp. 181-187, 7 pg.

38. Virlan Bogdan, Studiul unui motor asincron trifazat cu rotor în dublă colivie utilizând metoda elementului, Conferinţa Naţională ELSTUDIS 2009, octombrie 2009, ISBN 606-520-616-4, pp: 213-220, 8 pag

	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. DEZVOLTAREA ȘI PRODUCEREA GENERATORULUI CU ROTOR EXTERIOR ȘI FLUX RADIAL ANTRENAT DE O TURBINĂ EOLIANĂ CU AX VERTICAL, Nr. contract de finanțare: 18/Axa1/1.2.1C/04.10.2017 Programul Operaţional Competitivitate 2014 – 2020, Axa 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivităţii economice și dezvoltării afacerilor Acțiunea: : 1.2.1 STIMULAREA CERERII INTREPRINDERILOR PENTRU INOVARE PRIN PROIECTE DE CDI DERULATE DE INTREPRINDERI INDIVIDUAL SAU IN PARTENERIAT CU INSTITUTELE DE CD SI UNIVERSITATI **2.** Generator electric cu eficiență ridicată în construcție modulară realizat prin procedee tehnologice avansate – gepta iunie 2023 – decembrie 2023, Nr. contract de finanțare: 8091 Proiect finanțat prin: Programul Operațional Regional 2014 – 2020, Axa 1 – Promovarea transferului tehnologic, Operațiunea 1.2: Creșterea inovării în companii prin sprijinirea abordărilor multisectoriale rezultate în urma implementării „Inițiativei Regiuni mai puțin dezvoltate” în România, Dezvoltarea unui model conceptual inovativ (Proof-of-Concept).

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Antonescu Ion **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Ion Antonescu, Capitolul „Managementul dinamic al resurselor energetice regenerabile în condiţii de incertitudine şi risc” în volumul colectiv „Metode şi tehnici utilizate în managementul organizaţiei”, coordonatori Ionel-Ciprian Alecu, Ovidiu Gherasim, Editura „ProUniversitaria”, Bucureşti, 2015, pag. 109-140 ISBN 978-606- 26-0357-1, 31 pag. 2. Slonovschi A., Prună L.., Antonescu I. Desen Tehnic Pentru Construcţii, Editura PIM, Iaşi, ISBN 978-606-13-0021-1, 254 pg., 2010 3. Prună L., Anghel A., Antonescu I., Romanescu C., Slonovschi A., Sistem Expert Pentru Stabilirea Tipului de Ajustaj, Alegerea Campului de Toleranţă şi Determinarea Valorilor Abaterilor Limită în Proiectarea Asistată De Calculator, Editura Politehnium, Iaşi, ISBN 978-973-621-253-6,197 pg., 2009 4. Slonovschi A., Anghel A., Antonescu I., Dănăilă W., Prună L., Romanescu C., Poliedre, Editura PIM, Iaşi, ISBN 978-606-520-466-9, 141 pg., 2009 5. Hâncu G., Antonescu I. Guidebook Of Technical Drawing In Construction, Editura Societatii Academice „Matei-Teiu Botez”, Iaşi, ISBN 978-973-8955-44-8, 100 pg.(60 pg. A4), 2008 6. Dănăilă W., Prună L., Anghel A., Romanescu C., Antonescu I, Slonovschi A., Infografică, Editura PIM, Iaşi, ISBN ISBN 978-973-716-945-7 225 pg., 2008 7. Slonovschi A., Anghel A., Antonescu I., Dănăilă W., Prună L., Romanescu C. Infografică, Editura PIM, Iaşi, ISBN 978-973-716-718-7, 149 pg., 2007
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)

	1. Iulian Cucos, Ion Antonescu, Dorina Isopescu, Daniel Lepadatu, Maria-Oana Agavriloaie, Vasile Caunii, Vlad-Catalin Cucos - Hydrogen plasma conversion system of municipal recyclable waste in energy, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 625-634, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700014, factor de impact 0.916 2. Iulian Cucos, Ion Antonescu, Dorina Isopescu, Daniel Lepadatu, Maria-Oana Agavriloaie, Vasile Caunii, Vlad-Catalin Cucos - Advanced system control for hydrogen plasma conversion of industrial hazardous recyclable liquid waste, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 593- 603, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700011, factor de impact 0.916 3. Ionel-Ciprian Alecu, Daniel Lepadatu, Dorina Isopescu, Iulian Cucos, Maria-Oana Agavriloaie, Ion Antonescu - Helix spin economy and plasma waste recovery in construction and building materials industry, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 559-568, http://www.eemj.icpm.tuiasi.ro/; http://www.eemj.eu, WOS:000637747700007, factor de impact 0.916 4. Daniel Lepadatu, Dorina Isopescu, Loredana Judele, Iulian Cucos, Ion Antonescu, Ionel-Ciprian Alecu - Particularities of synthetic wood - a biomaterial with recycled waste, Environmental Engineering and Management Journal, April 2021, Vol. 20, No. 4, 585-592, WOS:000637747700010, factor de impact 0.916 5. I Antonescu, D N Isopescu, I Cucos, V Caunii, I C Alecu and M L Lupu - Researches on energy-efficient plasma conversion of fibreglass waste into new ecological materials for building industry, International Conference CIBv 2020 Civil Engineering and Building Services, IOP Conf. Series: Materials Science and Engineering 1138 (2021) 012001, doi:10.1088/1757-899X/1138/1/012001 6. I Cucos, D N Isopescu, I Antonescu, C I Alecu, V Caunii, V C Cucos and M O Agavriloaie - Conversion of industrial liquid construction waste with plasma on hydrogen, International Conference CIBv 2020 Civil Engineering and Building Services, IOP Conf. Series: Materials Science and Engineering 1138 (2021) 012018, doi:10.1088/1757-899X/1138/1/012018 7. M L Lupu, D N Isopescu, S G Maxineasa, I-R Baciu, I Antonescu and I Cucos - Advanced technology of municipal solid waste conversion for a circular economy, International Conference CIBv 2020 Civil Engineering and Building Services, IOP Conf. Series: Materials Science and Engineering 1138 (2021) 012028, doi:10.1088/1757-899X/1138/1/012028 8. M. L. Lupu, D. N. Isopescu, I. Cucoş, I. Antonescu, S. G. Maxineasa and I-R. Baciu – Researches on energy conversion of municipal waste by plasma decomposition for energy-efficiency in civil engineering, International Conference CIBv2019 Civil Engineering and Building Services IOP Publishing, IOP Conf. Series: Materials Science and Engineering 789 (2020) 012035 doi:10.1088/1757-899X/789/1/012035 https://iopscience.iop.org/article/10.1088/1757-899X/789/1/012035/pdf 9. I. Antonescu, C. I. Alecu, D. Lepadatu, „Advanced systems for heat treatment controlling of electrical furnaces”, IOP Publishing Ltd., Materials Science and Engineering, Volume 485 (2019), 012002, doi:10.1088/1757-899X/485/1/012002, Scopus EID 2-s2.0-85063884256 10. Lepadatu D, Judele L, Antonescu I., Advanced Experimental Design and Optimization Methods for New Building Materials Developed in Civil Engineering, in F. Kongoli, F. Marquis, P. Chen, T. Prikhna, N. Chikhradze (Eds.), Sustainable Industrial Processing Summit SIPS2018 Volume 6. New and Advanced Materials and Technologies (pp. 263-286). Montreal, Canada: FLOGEN Star Outreach, (2018) ISBN: 978-1-987820-92-8 ISSN: 2291-1227 (Metals and Materials Processing in a Clean Environment Series 11. D. Lepadatu, E. Marin, L. Judele, I. Antonescu, Parameters Influence on Compressive Strength of Fly Ash Green Concrete With Fibers Using A Modern Response Surface Method, 17th International Multidisciplinary Scientific GeoConference

	SGEM 2017, www.sgemviennagreen.org, SGEM2017 Vienna GREEN, Conference Proceedings, ISBN 978-619-7408-29-4 / ISSN 1314-2704, 27 – 29 November, 2017, Vol. 17, Issue 63, 595-602 pp; DOI:10.5593/sgem2017H/63/S26.075, Scopus, EBSCO 12. Liviu Andrușcă, Paul Doru Bârsănescu, Viorel Goanță, Marcelin Benchea, Ion Antonescu, Dragoș Achiței, Design and Development of a Device Used in Biaxial Testing of Materials, Buletinul Institutului Politehnic din Iași, publicat de Universitatea Tehnică „Gheorghe Asachi" din Iași, Secția Construcții de Mașini, Volumul 62 (66), Numărul 3, 2016, pp. 9-14 13. Mihaela Miron, Ion Antonescu, Iulian Cucoş, Contributions à l'étude de la production d'électricité d'un panneau de cellules photovoltaïques avec des polymères semi-conducteurs, IIème Seminaire Doctoral International Francophone 02-04 noiembrie 2016 Facultatea de Urbanism si Arhitectura, Chisinau, Republica Moldova, ISBN 978-9975-110-65-5 / EdituraPRIMEXcom, Chisinau, pag. 15-20, indexată Agence Universitaire de la Francofonie 14. Ion Antonescu, Mihaela Miron, Iulian Cucoş, Considérations concernant l'utilisation de panneaux photovoltaïques avec cellules flexibles au polymères semi- conductrices, IIème Seminaire Doctoral International Francophone 02-04 noiembrie 2016 Facultatea de Urbanism si Arhitectura, Chisinau, Republica Moldova, ISBN 978- 9975-110-65-5 / EdituraPRIMEXcom, Chisinau, pag. 36-41 indexată Agence Universitaire de la Francofonie 15. Iulian Cucoş , Ion Antonescu, Mihaela Miron, Recherches sur la gestion de l'energie des batiments civiles et industrielles, IIème Seminaire Doctoral International Francophone 02-04 noiembrie 2016 Facultatea de Urbanism si Arhitectura, Chisinau, Republica Moldova, ISBN 978-9975-110-65-5 / EdituraPRIMEXcom, Chisinau, pag. 50-67 indexată Agence Universitaire de la Francofonie 16. Lungu, Sergiu, Sevasti Mitsi, Antonescu Ion, Dragos Paraschiv, Constatin Rotariu, Ana Bădănac, Sorin Popa, and Camelia Elena Munteanu. "Research on the Growth Sustainability Active Organs of Agricultural Machinery", Applied Mechanics and Materials (Volumes 809-810), Trans Tech Publications, Ltd., November 2015. https://doi.org/10.4028/www.scientific.net/amm.809-810.634, pp. 634-639 17. Ion Antonescu, „Premises for Creating the Database and Knowledge Base of an Expert System for Dynamic Management of Renewable Energy Resources under Uncertainty Conditions" (Premizele de creare a bazelor de date şi de cunoştinţe pentru un sistem expert de management dinamic al resurselor energetice regenerabile în condiţii de incertitudine), The Yearbook Of The ,,Gh.Zane" Institute Of Economic Research, Vol. 24, Issue 1, https://econpapers.repec.org/article/zanygzier/, 18. Ion Antonescu, „Architecture of an Expert System for Dynamic Management of Renewable Energy Resources under Uncertainty Conditions", Buletinul Institutului Politehnic din Iaşi, publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tomul LXI (LXV), Fasc. 2, 2015, Secţia Electrotehnică, Energetică, Electronică 19. Bofu C., Craciun I., Giurma-Handley C. R., Antonescu I., Telisca M., Boariu C., Alecu I. Correlation between green energy cadastre and environmental monitoring Journal of Environmental Protection and Ecology 15, No 4, (2014), Environmental management, ISSN 1311-5065, http://www.jepe-journal.info/ pp. 1751–1758, WOS:000348254600025, factor de impact 0.692 20. Giurma I., Craciun I., Giurma-Handley C.R., Boariu C., Cercel P., Antonescu I., Considerations concerning geothermal energy storage using a heat accumulator, Journal of Environmental Protection and Ecology 15, No 4, (2014), Environmental management, ISSN 1311-5065, http://www.jepe-journal.info/ pp. 1759–1766, WOS:000348254600026, factor de impact 0.692 21. Lungu S., Paraschiv D., Antonescu I., Enculescu E., Bardac D., Contributions to soil resistance mapping for increasing parts durability for agricultural machinery, Applied Mechanics and Materials Vol. 657 (2014) Trans Tech Publications, Switzerland, ISSN: 1662-7482 doi:10.4028/ www.scientific.net/AMM.657.534 , pp 534-538, WOS:000348898000104

22. Nuţu G., Neculăiasa V., Antonescu I., Enculescu E., Filipov F., Lungu S., Influence of sharpening angle of cutting blades and of stem inclination angle during cutting process on energy consumption of harvesters, International Journal of Academic Research, (IJAR), Part A. Applied and Natural Sciences, Vol. 4. No. 4. July, 2012, Azerbaijan, http://www.ijar.lit.az/, ISSN: 2075-4124 (print), 2075-7107 (online), pp. 63-69, 2012
23. Paraschiv D., Enculescu E., Antonescu I., Popa S., Lungu S., Rotariu C., Comparative study of wearing for titanium coated combine harvester blades, ICMEN 4-th International Conference on Manufacturing Engineering Proceedings, Editions ZITI, Thessaloniki, Grece, ISBN 978-960-98780-4-3, pp. 95-103, 2011
24. Romanescu M.C., Prună L., Antonescu I., Anghel A.., Knowledge representation database for the development of tolerances and fits in design, Annals of DAAAM for 2008 & proceedings of the 19th international DAAAM Symposium Book Series: Annals of DAAAM and Proceedings, pp. 1187-1188, 2008, DAAAM International Scientific Book 2009, Vol. 8, ISBN 978-3-901509-69-8, ISSN 1726-9687, Vienna, http://www.daaam.com, pp. 939-950, 2009, WOS:000262860100593
25. Enculescu E., Paraschiv D, Antonescu I., Mihai D., Lungu S., Considerations on wear and corrosion of combine harvester cutting blades, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 7, Secţia Construcţii de Maşini, pp. 27-35, 2011
26. Antonescu I., Prună L., Slonovschi A., Alecu I., Cucoş I., Generation of 3D geometrical solid model of micro water turbine rotor blades, an ecodesign challenge, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 6, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 159-166, 2011
27. Prună L., Barreau M., Slonovschi A., Antonescu I., The method of revolution difficulties and solutions, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 6, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 281-286, 2011
28. Slonovschi A., Prună L., Antonescu I., Comparative study on the graphical representation of the intersection between two surfaces, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 6, Secţia Construcţii de Maşini, ISSN 1011 - 2855, pp. 287-296, 2011
29. Slonovschi A., Prună L., Antonescu I., Computer aided representation of the revolution of a line, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 6, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 297-306, 2011
30. Enculescu E., Antonescu I., Paraschiv D., Alecu I., Popa S., Lungu S., Rotariu C., Technical and ethical impact of unconventional propulsion systems on sustainable agriculture, International Virtual Journal for Science, Techniques and Innovations for the Industry, Machines, Technologies, Materials, Year IV, Issue 6/ 2010, published by Scientific-Technical Union of Mechanical Engineering, Sofia, Bulgaria, ISSN 1313- 0226, pp. 13-16, 2010
31. Antonescu I., Prună L., Slonovschi A., Contributions for developing of a computer aided learning environement of descriptive geometry, Journal of Industrial Design and Engineering Graphics JIDEG, Volume 4(5), Issue 1 – 2009, ISSN 1843-3766, pp. 9- 12, 2009
32. Antonescu I., Anghel A., Prună L., Romanescu C., Slonovschi A. Contributions to knowledge gathering and presentation inside an expert system for fits and tolerances choosing in computer aided design - I. Knowledge acquisition module, Buletinul Institutului Politehnic din Iaşi, Tomul LIV (LVIII), Fasc. 1, 2008, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 369-372, 2008
33. Antonescu I., Anghel A., Prună L., Romanescu C., Slonovschi A., Contributions to knowledge gathering and presentation inside an expert system for fits and tolerances choosing in computer aided design - II. knowledge representation aproach, Buletinul Institutului Politehnic din Iaşi, Tomul LIV (LVIII), Fasc. 1, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 373-376, 2008

	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Coşereanu L., Alecu I., Antonescu I., Năcioiu N., Instalaţie de producere a energiei electrice prin conversia energiei termice obţinută prin arderea hidrogenului sulfurat, colectat din apele mării, Buletin stiinłific aniversar, Centrul de Cercetare Stiinţifică pentru Forţele Navale Constanţa „CCSFN – 45 de ani de cercetare stiinţifică în domeniul naval" Anul VI, Octombrie 2011, ISSN: 1842 – 3418, pp. 138-139, 2011 2. Alecu I., Antonescu I., Dinu I., Cuciureanu D., Cucoş I., Estimation of environment energy potential for gaining of energetic autonomy of mountain dwelling buildings, Turismul Rural Românesc în Contextul Dezvoltării Durabile, Actualitate şi Perspectivă, Vol. XXI, editat de Institutul de Cercetări Economice şi Sociale Gh.Zane, Iaşi sub egida Academiei Române, Editura Tehnopress, Iaşi, ISBN 973-702-762-0, pp. 136-144, 2010 3. Slonovschi A., Prună L., Antonescu I., Comparative study of 2D, 2.5D and 3D computer graphics representation of a civil engineering structure, Universitatea De Ştiinţe Agricole şi Medicină Veterinară "Ion Ionescu de la Brad" Iaşi, Lucrări Ştiinţifice, Seria Horticultură, Vol. 53,Nr. 1, Ed "Ion Ionescu De La Brad", Iaşi, ISSN1454-7376, pp. 707-712, 2010 4. Antonescu I., Alecu I., Cuciureanu D., Alecu C. I, Dinu I., Impact of unconventional automotive propulsion methods on agro-touristic activities, Turismul Rural Românesc în Contextul Dezvoltării Durabile, Actualitate şi Perspectivă, Vol. XVIII, editat de Institutul de Cercetări Economice şi Sociale Gh. Zane, Iaşi sub egida Academiei Române, Editura Tehnopress, Iaşi, ISBN 973-702-670-5, pp.103-109, 2009 5. Alecu I., Antonescu I., Dinu I., Cuciureanu D., Energy conservation-quality comparing indicator in touristic activity, Turismul Rural Românesc în Contextul Dezvoltării Durabile, Actualitate şi Perspectivă, Vol. XVIII, editat de Institutul de Cercetări Economice şi Sociale Gh. Zane, Iaşi sub egida Academiei Române, Editura Tehnopress, Iaşi-2009, ISBN 973-702-670-5, pp. 93-102, 2009 6. Prună L., Slonovschi A., Antonescu I., A comparative study concerning the possibilities to measure the angle between two cross straight lines from 3D space, Acta Technica Napocensis, Series Applied Mathematics and Mechanics, No. 52, Vol. I a, ISSN 1221-5872, pp. 337-340, 2009 7. Slonovschi A., Prună L., Antonescu I. The 3D modeling of the longitudinal reinforcements from a reinforced concrete beam, Acta Technica Napocensis, Series Applied Mathematics and Mechanics, No. 52, Vol. I a, ISSN 1221-5872, pp. 365-368, 2009 8. Antonescu I., Roşca R., Prună L., Slonovschi A., Complex characteristics of pressure variation in the admission manifold and burning chamber of an experimental mono cylinder engine, Buletinul Institutului Politehnic din Iaşi, Tomul L(LIV), Fasc. 6D, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 51-56, 2004 9. Prună L., Antonescu I., Slonovschi A., Hiperboloid of revolution for constructive geometry, Buletinul Institutului Politehnic din Iaşi, Tomul XLVIII (LII), Fasc. 1-2, Secţia Construcţii şi Arhitectură pp. 141-147, 2002 10. Prună L., Antonescu I., Slonovschi A., 3D Complex bodies for CAD systems using constructive geometry, Buletinul Institutului Politehnic din Iaşi, Tomul XLVII (LI), Fasc. 3-4, Secţia Construcţii şi Arhitectură, pp. 131-138, 2001 11. Prună L., Antonescu I., Slonovschi A. Grafica computerizată, conceptul de vizualizare, structurală şi problema intersecţiilor de poliedre, Buletin Ştiinţific, seria C, Vol XV, Fascicola Mecanică, Tribologie, Tehnologia Construcţiilor de Maşini, Universitatea de Nord, Baia Mare, ISSN 1224-3264, pp. 175-182, 2001 12. Prună L., Antonescu I., Slonovschi A. O nouă metodă grafică de sinteză dimensională a mecanismelor cu culisă rotativă, Buletin Ştiinţific, seria C, Vol XV, Fascicola Mecanică, Tribologie, Tehnologia Construcţiilor de Maşini, Universitatea de Nord, Baia Mare, ISSN 1224-3264, pp. 323-326, 2001

	13. Prună L., Antonescu I., Slonovschi A. Contribuţii privind folosirea unor locuri geometrice în sinteza dimensională a mecanismelor plane patrulatere, Buletin Ştiinţific, seria C, Vol XV, Fascicola Mecanică, Tribologie, Tehnologia Construcţiilor de Maşini, Universitatea de Nord, Baia Mare, ISSN 1224-3264 pp. 317-322, 2001 14. Prună L., Antonescu I. O metodă grafică de sinteză dimensională a mecanismelor bielă-manivelă, Analele Universităţii "Aurel Vlaicu", Arad, Seria Mecanică, Fascicola Mecanică, Mecanisme, Organe de Maşini, Tehnologii de Prelucrare Convenţionale şi Neconvenţionale, ISSN 1582-3393, pp. 170-175, 2000 15. Antonescu I., Prună L., Zugrăvel M. Computer code for modeling of 3D subsonic compressible flows in CAD environment, Buletinul Institutului Politehnic din Iaşi, Tomul XLVI (L), Supliment Mecanica Fluidelor, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 39–42, 2000 16. Prună L., Antonescu I. O metodă grafică de sinteză dimensională a mecanismelor plane patrulatere articulate, Analele Universităţii "Aurel Vlaicu", Arad, Seria Mecanică, Fascicola Mecanică, Mecanisme, Organe de Maşini, Tehnologii de Prelucrare Convenţionale şi Neconvenţionale, ISSN 1582-3393, pp. 164-169, 2000 17. Prună L., Antonescu I. , Zugrăvel M., Modeling of potenţial subsonic compressible flows by finite element analysis, Buletinul Institutului Politehnic din Iaşi, Tomul XLVI (L), Supliment Mecanica Fluidelor, Secţia Construcţii de Maşini, ISSN 1011-2855, pp. 115-118, 2000 18. Popa C., Antonescu I., Prună L., Resolution des problemes de sections planes dans des polyedres et des corps cylindro-coniques a l'aide des systemes de dessin assistes par l'ordinateur, Buletinul Institutului Politehnic din Iasi, Tomul XLIV(XLVIII), Fasc.3-4, pp. 107 – 113, 1998 19. Creţescu I., Antonescu I., Antonescu I,, Studii ale proceselor plasmochimice in vederea obţinerii molibdenului, Metalurgia nr. 6(47), Editura Ştiinţifică F.M.R., ISSN 0461-9579, pp. 39-44, 1995
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Antonescu I., Raclariu C., - Active energy house, Lucrările celei de-a 15-a Conferințe Naționale de construcții metalice cu participare internațională 15CONMET, IAȘI, 16-17 noiembrie 2017, Editura PIM, ISSN 2559-0812, ISSN-L 2559-0812 2. Cucos I., Lepadatu D., Judele L., Antonescu I., - Optimization of architectures of neural networks for the prediction of polymeric concrete resistance,International Francophone Doctoral Seminar, "Being a researcher-it requires to work always well", Angers, France, May 17-19, 2017 3. Ion Antonescu, Consideraţii privind utilizarea unui sistem expert de management dinamic al resurselor energetice regenerabile în condiţii de incertitudine, Conferinţa Tehnico-Ştiinţifică cu Participare Internaţională Instalaţii Pentru Construcţii şi Economia De Energie, 2-3 Iulie 2015, Ediţia a XXV-a Jubiliară", Vol. 2, Editura Societăţii Academice „Matei-Teiu Botez", ISSN 2069-1211, pp.. 41-52, 2015 4. Cotiușcă-Zaucă D., Antonescu I., Cucoş I., Alecu I., Enculescu E., Rotar V., Directions for development of renewable energy sources and upgrading public and industrial heating systems in border areas of Romania, Ukraine and Moldova, Conferinţa ştiinţifică internaţională The role of euroregions in sustainable development in world crisis context, Example: The Siret-Prut-Nistru Euroregion, Vol. IX, Editura Tehnopress, Iaşi, ISBN 978-973-702-890-7, pp. 68-73, 2012 5. Cucoş I., Alecu I., Antonescu I., The deceasing the environmental impact from Siret-Prut-Nistru euroregion for thermic treatment of domestic waste, Conferinţa ştiinţifică internaţională The role of euroregions in sustainable development in world crisis context, Example: The Siret-Prut-Nistru Euroregion, Vol. VIII, Editura Tehnopress, Iaşi, ISBN 978-973-702-889-1, pp. 93-98, 2011 6. Cucoş I., Alecu I., Antonescu I., The integrated system for collection, valorification and ecological depositing of

domestic waste, an efficient solution for deceasing the environmental impact from Siret-Prut-Nistru euroregion, Conferinţa ştiinţifică internaţională The role of euroregions in sustainable development in world crisis context, Example: The Siret-Prut-Nistru Euroregion, Vol. VIII, Editura Tehnopress, Iaşi, ISBN 978-973-702-889-1, pp. 99-106, 2011

7. Alecu I., Antonescu I., Cucoş I., The postindustrial revolution a challenge economic and social for durable development for Siret-Prut-Nistru euroregion, Conferinţa ştiinţifică internaţională The role of euroregions in sustainable development in world crisis context, Example: The Siret-Prut-Nistru Euroregion, Vol. VIII, Editura Tehnopress, Iaşi, ISBN 978-973-702-889-1, pp. 115-120, 2011

8. Slonovschi A., Prună L., Antonescu I., Individual dimension styles an efficient tool in civil engineering computer aided design, The VIIth International Symposium „Computational Civil Engineering 2009", ISBN 978-973-8955-68-4, 2009

9. Antonescu I., Burlacu L., Aspecte generale ale modelării în inginerie, Conferinţa Tehnico-Ştiinţifică „Instalaţii pentru Construcţii şi Economia de Energie", ediţia a XVIII, 3-4 iulie 2008, Iaşi, Editura CERMI, ISSN 1843-3510 pp. 211-219, 2008

10. Burlacu L., Cârlescu P.M., Antonescu I. Aspecte privind modelarea curgerii printr- un elipsoid de rotaţie, Conferinţa Tehnico-Ştiinţifică „Instalaţii pentru Construcţii şi Economia de Energie", ediţia a XVIII, 3-4 iulie 2008, Iaşi, Editura CERMI, ISSN 1843- 3510, pp. 228-235, 2008

11. Antonescu I., Prună L., Baran M., Romanescu C., Groups and subgroups information in an expert system used for tolerances field, Conferinţa Ştiinţifică Internaţională „TMCR 2007", 31 mai – 03 iunie, Chişinău, 2007

12. Prună L., Anghel A., Antonescu I., Slonovschi A., Romanescu C. Baran M. Ordering Of Knowledge Refering To Tolerance Classes And Limit Deviation Values Into A Programable Structure, Maşînostroenie I Tehnosfera XXI Veka, Sbornik trudov XIV mejdunarondnîi naucino-tehniceskoi conferenţii, Tom 5, Donetk, Republica Ucraina, pp. 200-203, 2007

13. Prună L., Anghel A., Antonescu I., Slonovschi A., Romanescu C., Baran M., Set of the data base referring to classes and limit deviances values into a structure usable for developing an expert system, Maşînostroenie I Tehnosfera XXI Veka, Sbornik trudov XIV mejdunarondnîi naucino-tehniceskoi conferenţii, Tom 5, Donetk, Republica Ucraina, pp. 204-207, 2007

14. Slonovschi A., Prună L., Antonescu I., Computer graphical communication an efficient tool for understanding the design of wooden trusses, Civil Engineering- Proceedings of the Fifth International Symposium „Computational Civil Engineering 2007", Iaşi, România, May 25, 2007, Editura Societăţii Academice „Matei-Teiu Botez", Iaşi, ISBN 978-973-8955-14-1, pp. 231-245, 2007

15. Prună L., Slonovschi A., Antonescu I., Paraboloid of revolution as solid model The 2nd International Conference on Engineering Graphics and Design, ICEGD 2007, Galati, Proceedings, Ed. Cermi Iasi, ISBN 978-973-667-252-1. 2007

16. Burlacu L., Verdeş M., Antonescu I. Instalaţii sprinkler cu preacţionare pentru protecţia marilor depozite frigorifice, Conferinţa Tewhnico-Ştiinţifică „Instalaţii pentru Construcţii şi Economia de Energie", ediţia a XVII, 5-6 iulie 2007, Iaşi, Editura CERMI, ISBN (13) 978-973-667-254-5, pp. 286-291, 2007

17. Burlacu L., Şerban M., Antonescu I., Sisteme deluge pentru combaterea incendiilor, Conferinţa Tehnico-Ştiinţifică „Instalaţii pentru Construcţii şi Economia de Energie", ediţia a XVI, ,6-7 iulie 2006, Iaşi, Editura CERMI, ISBN (10) 973-667-189-5, ISBN (13) 978-973-667-189-0, pp. 277-284, 2006

18. Prună L., Slonovschi A., Antonescu I., A computer program designated to writing tolerances on the technical drawing in AutoCAD, ICEGD Proceedings on the International Conference on Engineering Graphics and Design, 2005, Bucuresti, Editura BREN, ISBN 973-648-471-8, pp. 103-106, 2005

19. Slonovschi A., Prună L., Antonescu I., Computer program for the automatic representation of the rolled sections, ICEGD Proceedings on the International Conference on Engineering Graphics and Design, 2005, Bucuresti, Editura BREN,

ISBN 973-648-471-8, pp. 141-144, 2005
20. Baran M., Dănăilă V., Antonescu I., Study projection. the trace out of ovals in the study projection, ICEGD Proceedings on the International Conference on Engineering Graphics and Design, 2005, Bucuresti, Editura BREN, ISBN 973-648-471-8, pp. 181- 184, 2005
21. Slonovschi A., Prună L., Antonescu I., Program de calcul pentru determinarea în proiecţie cotată a formei acoperişurilor, Conferinţa tehnico-ştiinţifică internaţională „Probleme actuale ale urbanismului şi amenajării teritoriului”, Chişinău, 30 sept.-1oct. 2004, Vol. I. ISBN 9975-70-448-4, pp. 198-203, 2004
22. Antonescu I., Prună L., Popescu F. Modul pentru cuadrice de rotaţie în geometria constructivă a solidului, Al VIII-lea Simpozion Naţional, cu Participare Internaţională de Geometrie Descriptivă, Grafică Tehnică şi Design, 5-7 iunie 2003, vol. II, Braşov – “Grafică Tehnică şi Design 2003”, Editura Universităţii “Transilvania”, ISBN 973-635- 195-5, pp. 33- 38, 2003
23. Baran M., Antonescu I., Program de desfăşurare a unei prisme patrulatere oblice, Al VIII-lea Simpozion Naţional, cu Participare Internaţională de Geometrie Descriptivă, Grafică Tehnică şi Design, 5-7 iunie 2003, vol. II, Braşov – “Grafică Tehnică şi Design 2003”, Editura Universităţii “Transilvania”, ISBN 973-635-195-5, pp. 69-72, 2003
24. Antonescu I., Prună L., Popescu F.. Postprocesarea grafică a datelor în analiza cu elemente finite tridimensională, Al VIII-lea Simpozion Naţional, cu Participare Internaţională de Geometrie Descriptivă, Grafică Tehnică şi Design, 5-7 iunie 2003, vol. II, Braşov – “Grafică Tehnică şi Design 2003”, Editura Universităţii “Transilvania”, ISBN 973- 635-195-5, pp. 39-44, 2003
25. Antonescu I., Popescu F., Prună L., Ruse Gh., Algoritm de generare a modelelor tridimensionale pe baza reprezentărilor în triplă proiecţie ortogonală în grafica asistată de calculator, A VII-a Ediţie a Conferinţei Naţionale cu Participare Internaţională Grafica 2000, Vol. 2, Craiova, ISSN 1223-5296, pp. 627-623, 2000
26. Antonescu I., Popescu F., Prună L., Sistem expert de modelare parametrică a organelor de distribuţie ale motoarelor cu ardere internă, A VII-a Ediţie a Conferinţei Naţionale cu Participare Internaţională Grafica 2000, Vol. 2, Craiova ISSN 1223-5296, pp. 633-638, 2000
27. Prună L., Antonescu I., Ruse Gh., Popescu F., Racordări când raza este necunoscută, A VII-a Ediţie a Conferinţei Naţionale cu Participare Internaţională Grafica 2000, Vol. 2, Craiova ISSN 1223-5296 pp. 927-932, 2000
28. Prună L., Popescu F., Antonescu I., Slonovschi A., studiu comparativ privind tehnicile folosite pentru obţinerea liniilor de diferite grosimi, A VII-a Ediţie a Conferinţei Naţionale cu Participare Internaţională Grafica 2000, Vol. 1, Craiova ISSN 1223-5296, pp. 497-502, 2000
29. Ruse Gh., Antonescu I., Consideraţii în legătură cu reprezentarea icosaedrului regulat, A VII-a Ediţie a Conferinţei Naţionale cu Participare Internaţională Grafica 2000, Vol. 1, Craiova, ISSN 1223-5296, pp. 365-370, 2000
30. Antonescu I., Zugrăvel M., Aspecte privind modelarea matematică a fenomenelor gazodinamice în fazele de distribuţie la motoarele cu ardere internă, Termotehnica Românească 96, Vol.I, Editura"Gh.Asachi" Iaşi, ISBN 973-9178-37-5 pp. 194-199, 1996
31. Antonescu I., Zugrăvel M., Program preprocesor şi postprocesor pentru analiza cu elemente finite în mediul CAD, Al V-Lea Simpozion de geometrie descriptivă, desen, design şi grafică asistată de calculator, secţiunea IV, vol. IV, Editura Universităţii"Politehnica" Timişoara, pp. 647 – 652, 1996
32. Popescu F., Antonescu I., Prună L., Popa C. Automatizarea generării desenelor de ansamblu în sistemele CAD, Al V-lea Simpozion de geometrie descriptivă, desen, design şi grafică asistată de calculator, secţiunea IV, vol. IV, Editura Universităţii "Politehnica" Timişara, pp. 885 – 890, 1996
33. Popa C., Prună L., Antonescu I., Popescu F., Program de derivare grafica utilizand facilitatile sistemelor CAD, Al V-lea

	Simpozion de geometrie descriptivă, desen, design şi grafică asistată de calculator, secţiunea IV, vol. IV, Editura Universităţii "Politehnica" Timişoara, pp. 875 – 880, 1996 34. Antonescu I., Popa C., Popescu F., Prună L., Algoritm de determinare a sectiunilor plane in corpuri tridimensionale, Al V-lea Simpozion de geometrie descriptivă, desen, design şi grafică asistată de calculator, secţiunea I, vol. I, Editura Universităţii "Politehnica" Timişoara, pp. 19 – 24, 1996 35. Popa C., Antonescu I., Popescu F., Prună L., Programe autolisp de generare a unor corpuri tridimensionale Conferinţa Internaţională "Grafica inginerească şi metodica de predare", 3-4 octombrie 1995, Chişinău, Universitatea Tehnică a Moldovei, 1995 36. Popa C., Prună L., Antonescu I., Popescu F., Media, funcţie AutoLISP pentru generarea mediatoarei Conferinţa Internaţională "Grafica inginerească şi metodica de predare", 3-4 octombrie 1995, Chişinău, Universitatea Tehnică a Moldovei, 1995 37. Popa C., Prună L., Antonescu I., Grafica asistată de calculator, o necesitate, Al IV-lea Seminar naţional de geometrie descriptivă şi desen", vol. II, Ed. I.P.Iaşi, pp. 375 – 380, 1994 38. Popa C., Prună L., Antonescu I., Optimizarea sistemului AutoCAD prin crearea de noi comenzi, Al IV-lea Seminar naţional de geometrie descriptivă şi desen, vol. II, Ed. I.P. Iaşi, pp. 183 –187, 1994 39. Popa C., Antonescu I., Prună L., Posibilităţi de automatizare a execuţiei desenelor prin utilizarea facilităţilor de proiectare parametrică ale programului AutoCAD, Al IV-lea Seminar naţional de geometrie descriptivă şi desen", vol. I, Editura I.P. Iaşi, pp. 353 -359,1994 40. Popa C., Prună L., Antonescu I. Rezolvarea problemelor de construcţii geometrice întâlnite în desenul tehnic utilizând sistemele de desenare asistată de calculator, Sesiunea Ştiinţifică Jubiliară - 45 de Ani Invăţământ Tehnic Superior la Galaţi, octombrie 1993, Editura Universităţii "Dunărea de Jos" Galaţi, pp. 126 – 132, 1993 41. Popa C., Antonescu I., Prună L., Rezolvarea problemelor de secţiuni plane în poliedre şi cilindro-conice cu ajutorul sistemelor de desenare asistată de calculator, Sesiunea Ştiinţifică Jubiliară - 45 de Ani Invăţământ Tehnic Superior la Galaţi, octombrie 1993", Editura Universităţii "Dunărea de Jos" Galaţi, pp. 58 – 67, 1993 42. Popa C., Anghel A., Romanescu C., Prună L., Antonescu I., Segal L. Metodologia de abordare a proiectării asistate de calculator cu aplicaţii în geometrie descriptivă şi desen, Al III-lea Seminar Naţional de Geometrie Descriptivă şi Desen, sept. 1992, Cluj-Napoca, Vol.2, Editura U.T. Cluj-Napoca pp. 133 –141, 1992 43. Popa C., Antonescu I., Prună L., Romanescu C., Anghel A. Standarde internaţionale pentru desenare şi proiectare asistată, Al III-lea Seminar Naţional de Geometrie Descriptivă şi Desen, sept. 1992, Cluj-Napoca, Vol.2, Editura U.T. Cluj-Napoca, pp. 303 – 311, 1992 44. Iulian Cucoș, Ioan Călinescu, Ion Antonescu, Perino Baraga, Maria Oana Agavriloaie - Challenges of developing of a pyrolysis plant for thermal treatment of plastic wastes, 7th Central and Eastern European Conference on Thermal Analysis and Calorimetry CEEC-TAC7, Brno, Czech Republic, 28-31 August 2023 45. Iulian Cucoș, Georgiana Marin, Perino Baraga, Ion Antonescu - Thermal analysis of a pump used in an innovative installation for cementing and special operations at the oil well intended to improve the efficiency of the extraction of conventional energy resources, 7th Central and Eastern European Conference on Thermal Analysis and Calorimetry CEEC-TAC7, Brno, Czech Republic, 28-31 August 2023 46. Ion Antonescu - Aplicații practice în gestionarea inputurilor controlerelor destinate tehnologiilor IoT prin numere fuzzy, comunicată la Workshop-ul „Sisteme fuzzy în economie”, organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane”,

	Academia Română, 24 octombrie 2023, în cadrul Zilelor Academice Ieşene, Ediţia a XXXVIII-a 47. Ion Antonescu "Biblioteci utilizate în gestionarea controlerelor fuzzy destinate aplicațiilor IoT", comunicată la Workshop-ul „Sisteme fuzzy în economie", organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane", Academia Română, 26 octombrie 2022, în cadrul Zilelor Academice Ieşene, Ediţia a XXXVII-a 48. Ion Antonescu „Aplicații ale controlerelor fuzzy pentru aplicații IoT", comunicată la Workshop-ul „Sisteme fuzzy în economie", organizat de Institutul de Cercetări Economice și Sociale „Gh. Zane", Academia Română, 29 octombrie 2021, în cadrul Zilelor Academice Ieşene, Ediţia a XXXVI-a 49. Daniel Lepadatu, Dorina Isopescu, Ion Rusu, Loredana Judele, Iulian Cucoș, Ion Antonescu - Comparative studies for thermal conductivities determination of Synthetic wood with recyclable waste using design of experiment method, comunicată la Conferința Internațională „Interdisciplinarity and Cooperationbin Cross Border Research" ICCR - 2021, 2-4 decembrie 2021, Chișinău, Republica Moldova, 2-4 decembrie 2021, organizată de Facultatea Transfrontalieră a UniversitățIi „Dunărea de Jos" din Galați 50. Ion Antonescu, Dorina-Nicolina Isopescu, Iulian Cucoș, Vlad-Cătălin Cucoș, Ionel- Ciprian Alecu, Laurența Crudu - Fiberglass waste recycling plant, comunicată la Târgul Internațional de Invenții și Idei Practice INVENT - INVEST 2021, in memoriam CONSTANTIN-MARIN ANTOHI, Editia a XII-a, 10 decembrie 2021, organizat de Societatea Inventatorilor din Romania in colaborare cu Facultatea de Electronică Telecomunicații și Tehnologia Informației, Universitatea Tehnică „Gheorghe Asachi" din Iași, http://www.inventica-sir.ro/doc/comisii_2021/sesiunea_3_2021.htm 51. Ioan Alecu, Ion Antonescu, Dumitru Cuciureanu, Adrian Mihailă, Swivel impeller pump with low rotational speed, comunicată la Târgul Internațional de Invenții și Idei Practice INVENT - INVEST 2021, in memoriam CONSTANTIN-MARIN ANTOHI, Editia a XII-a, 10 decembrie 2021, organizat de Societatea Inventatorilor din Romania in colaborare cu Facultatea de Electronică Telecomunicații și Tehnologia Informației, Universitatea Tehnică „Gheorghe Asachi" din Iași, https://www.inventica- sir.ro/doc/comisii_2021/sesiunea_4_2021.htm 52. Iulian Cucoș, Ion Antonescu, Ionel-Ciprian Alecu „Managementul energetic al construcţiilor montane in contextul economiei circulare", la a 14-a Conferinţă ştiinţifică consacrată cunoaşterii specificităţii economico-sociale şi dezvoltării sustenabile a comunităţilor montane din România, în contextul noilor orientări ale CE prin Acordul Verde European-Orizont 2040-2050, „Dezvoltarea Sustenabilă și Rezilientă a Zonei Montane în Contextul Noilor Provocări Generate de Pandemia cu COVID-19 și Acordul Verde European (The European Green Deal)" a Centrului de Economie Montană – CEMONT Vatra Dornei /Institutul Național de Cercetări Economice "Costin C. Kirițescu", Academia Română, 17 – 18 septembrie 2020, Vatra Dornei 53. Ion Antonescu "Cercetări industriale privind conversia deșeurilor de fibră de sticlă cu și fără ancolant pentru producerea unor materialele ecologice eficiente energetic pentru construcții", Workshopul „Economie circulară și managementul integrat al deșeurilor în contextul dezvoltării durabile sustenabile", în cadrul proiectului Produse și tehnologii Ecoinovatoare pentru eFicienţă Energetică în CONstrucții EFECON, Facultatea de Hidrotehnică și Ingineria Mediului, Universitatea Tehnică „Gheorghe Asachi" din Iași, 14/15 martie 2019 54. I. Antonescu, D. Isopescu, I. C. Alecu, D. Lepadatu, I. Cucos, L. Prună, A. Slonovschi, G. A. Butuc „Visual LISP library of fuzzy logic functions for developing eco-design expert systems in digital prototyping environments" International Conference on Environmental Engineering and Management (ICEEM 10), „Gheorghe Asachi" Technical University of Iaşi, 18-21 september 2019, Iași, România 55. I. Antonescu, I. Cucoș, D. Lepădatu, I. C. Alecu „Aplicații ale rețelelor neuronale fuzzy în domeniul

	microcontrollerelor", Zilele Academice Ieşene, Ediţia a XXXIV-a, „Sisteme fuzzy în economie", Institutul De Cercetări Economice Şi Sociale „Gh. Zane", Academia Română, 24 octombrie 2019 56. D. Lepădatu, I. C. Alecu, I. Cucoş, I. Antonescu „Optimizarea multicriterială a lemnului sintetic utilizând inteligenţa artificială şi logica fuzzy", Zilele Academice Ieşene, Ediţia a XXXIV-a, „Sisteme fuzzy în economie", Institutul De Cercetări Economice Şi Sociale „Gh. Zane", Academia Română, 24 octombrie 2019 57. I. Cucoş, I. Antonescu, D. Lepădatu, I. C. Alecu „Conducerea cu algoritmi de reglare bazaţi pe reţele neuronale fuzzy a sistemelor de conversie cu plasmă a deşeurilor municipale", Zilele Academice Ieşene, Ediţia a XXXIV-a, „Sisteme fuzzy în economie", Institutul De Cercetări Economice Şi Sociale „Gh. Zane", Academia Română, 24 octombrie 2019 58. Ion Antonescu, Iulian Cucoş, Mihaela Codreanu, Daniel Lepădatu „Aspecte privind folosirea logicii fuzzy in managementul resurselor regenerabile de energie in conditiile de incertitudine specifice zonei de munte" la a 7-a Conferinţă ştiinţifică, anuală, a Centrului de Economie Montană – CEMONT/Institutul Național de Cercetări Economice "Costin C. Kirițescu", Academia Română, 31 august – 2 septembrie 2018, Vatra Dornei 59. Ion Antonescu , "Bibliotecă de funcţii matematice fuzzy pentru programarea microcontrollerelor în mediile de dezvoltare Arduino şi Energia" la International Conference „Advancements in the Theory of Economic Decisions under Risk and Uncertainty" organizată de Institutul de Cercetări Economice și Sociale „Gh. Zane" , Academia Română, 12 octombrie 2018 60. C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu, "Platforma mobila pentru aerarea apelor de suprafata" la Târgul Internaţional de Invenţii şi Idei Practice „INVENT-INVEST 2018" Chişinău, Republica Moldova, 9-11 noiembrie 2018, Republicii Moldova, Chişinău 61. Ion Antonescu, Mihaela Codreanu „Consideraţii privind utilizarea panourilor fovoltaice flexibile în ariile protejate din zona de munte" la a 6-a Conferinţă ştiinţifică, anuală, a Centrului de Economie Montană – CEMONT/Institutul Național de Cercetări Economice "Costin C. Kirițescu", Academia Română, 23-27 Septembrie 2017, Vatra Dornei 62. Igor Cretescu, Carmen Teodosiu, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu. „Reactor pentru epurarea electrochimică a apelor uzate Industriale" la Expoziţia Internaţională Specializată „INFOINVENT", organizată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova, Chişinău, 15-18 noiembrie 2017 63. C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu, "Platforma mobila pentru aerarea apelor de suprafata" la Expoziţia Internaţională Specializată „INFOINVENT", organizată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova, Chişinău, 15-18 noiembrie 2017 64. Ion Antonescu, Mihaela Codreanu „Consideraţii privind utilizarea panourilor cu celule fotovoltaice flexibile cu polimeri semiconductori în condiţiile economiei montane" A 5-a Conferinţă ştiinţifică, anuală, a Centrului de Economie Montană – CEMONT/Institutul Național de Cercetări Economice "Costin C. Kirițescu", Academia Română, 23-24 Septembrie 2016, Vatra Dornei 65. Igor Cretescu, Carmen Teodosiu, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu. „Reactor pentru epurarea electrochimică a apelor uzate Industriale" Salonul Bruxelles-INNOVA 2016, 17-19 noiembrie 2016, Bruxelles, Belgia 10/5=2 pct. 66. C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu, "Platforma mobila pentru aerarea apelor de suprafata" New Times", Sevastopol, septembrie 2016 67. Ion Antonescu, „Creation Premises of an Expert System for Dynamic Management of Renewable Energy Resources under Uncertainty Conditions"(Premizele de creare a unui sistem expert de management dinamic al resurselor energetice regenerabile în condiţii de incertitudine), prezentată la International Conference "Humanities And Social Sciences Today.

	Classical And Contemporary Issues", 7-11 May 2015, Iaşi, Romania, organized by the Romanian Academy, Iaşi Branch, "Gheorghe Zane" Institute For Economic And Social Research 68. Ion Antonescu, "Fuzzy Databases for an Expert System for Management of Renewable Energy Sources" prezentată la Workshop-ul Formativ Internațional „Cunoaștere și Reprezentare prin Sisteme Fuzzy", Iași 21-22 Iulie 2015, organizat de Academia Română, Filiala Iaşi, Institutul de Cercetări Economice și Sociale "Gheorghe Zane". 69. Ion Antonescu, „Aspecte privind deciziile economice în managementul resurselor energetice regenerabile", prezentată la Conferința „Zilele Academice Ieșene, Ediția a XXIX-a" 19 Septembrie 2014, organizată De Academia Română – Filiala Iaşi, Institutul De Cercetări Economice Și Sociale „Gh. Zane".
	Invenții și brevete (punctul J din Anexa A.3.7)
	1. Antohi C. M.,. Sluşer B. M., Antonescu I., Creţescu I., Universitatea Tehnică "Gheorghe Asachi" din Iaşi, Platformă mobilă pentru aerarea apei de suprafaţă Brevet OSIM Nr. 131395 B1, 2019 2. Creţescu I., Teodosiu C., Zaleschi L., Soreanu G., Antonescu I., Infomedia Srl, Piatra-Neamţ Reactor pentruepurarea electrochimică a apelor uzateindustriale, Brevet OSIM Nr. 129934 B1, 2019 3. Antonescu I., Alecu I., Golgoţiu E., Cucoş I., Stroe C.M., Generator de energie cu triplă conversie, Brevet OSIM Nr. 129175 B1, 2018 4. Alecu I., Antonescu I., Cuciureanu D., Mihailă A., Pompă cu rotor oscilant acţionată cu viteză de rotaţie mică, Brevet OSIM Nr. 126143 B1, 2014 5. Burlacu L., Antonescu I., Cavaropol D.V., Dispozitiv de pulverizare a unui lichid, Brevet OSIM Nr. 122024 B1, 2008 **6.** Creţescu I., Antonescu I., Macoveanu M., Traductor pentru oxigen, Brevet OSIM Nr. 113277 B, 1998
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Contract mobilitate cercetător MC 16 din 06/11/2020, Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), Program: PN-III-P1-1.1-MC-2020-0077, Universitatea Tehnica "Gheorghe Asachi" din Iași, valoare: 3.293 lei, 2020, director proiect: ș.l.dr.ing. Ion Antonescu 2. Contract subsidiar "Sistem de valorificare energetica a deseurilor si producerea unor materialele termoizolatoare ecologice eficiente energetic pentru constructii" nr. 6/26.09.2018 (16483/01.08.2018 - UTI),la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON", Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Ion Antonescu, partener industrial SC BICO INDUSTRIES SRL Piatra Neamt, Valoare: 339.350 lei, 2018-2021, Nr. luni 30, Nr. membri 5 3. Contract subsidiar „Cercetari industriale privind conversia deșeurilor de fibră de sticlă cu și fără ancolant pentru producerea unor materialele ecologice eficiente energetic pentru constructii", nr. 13/01.08.2018 (16482/01.08.2018 - UTI) la Proiectul „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON", Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de

	cercetare, Șef. lucr. dr. ing. Ion Antonescu, , partener industrial SC BICO INDUSTRIES SRL Piatra Neamt, Valoare: 265.650 lei, 2018-2020, Nr. luni 24, Nr. membri7 4. Contract subsidiar „Sistem de valorificare energetica a deseurilor lichide periculoase din constructii si producerea de produse ecologice pentru constructii”, Nr. 4/26.09.2018 (16483/01.08.2018 - UTI) la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucoș, membru Ion Antonescu, partener industrial SC INDECO GRUP SRL Bucureşti, Valoare: 524.325 lei, 2018- 2021, Nr. luni contract 30, Nr. membri 5. 5. Contract subsidiar „Sistem de valorificare energetica a deșeurilor municipale și periculoase reciclabile din constructii pentru producerea de energie electrica si termica pentru cresterea eficientei energetice a constructiilor”, nr. 9/26.09.2018 (16483/01.08.2018 - UTI) la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucoș, membru Ion Antonescu, partener industrial SC 3D ECAS ENERGY SRL București, Valoar contract: 540.050 lei, 2018-2021, Nr. luni contract 30, Nr. membri 5 6. Contract subsidiar "Cercetari experimentale industriale pentru conversia cu plasma pe hidrogen a deseurilor municipale in energie pentru alimentarea ansamblurilor de locuit", nr. 10/01.08.2018 (16482/01.08.2018 - UTI)la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Marius Telișcă, membru Ion Antonescu, partener industrial SC 3D ECAS ENERGY SRL București, Valoare contract: 264.950 lei, 2018-2020, Nr. luni contract 24, Nr. membri 8 7. Contract subsidiar "Cercetari industriale privind conversia unor deseuri industriale periculoase lichide in energie și produse ecoinovatoare utilizabile in domeniul constructiilor", nr. 11/01.08.2018 (16482/01.08.2018 - UTI)la Proiectul: „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON”, Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro, Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Iulian Cucoș, membru Ion Antonescu, partener industrial SC INDECO GRUP SRL București Valoare: 265.675 lei, 2018- 2020, Nr. luni 24, Nr. membri8. Contract subsidiar "Cercetari experimentale industriale pentru producerea lemnului sintetic aditivat cu nanomateriale utilizând deșeuri de biomasa", nr. 14/26.09.2018 (16483/01.08.2018 - UTI) la Proiectul: „Produse și tehnologii

	ecoinovatoare pentru eficiență energetică în construcții EFECON", Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro, Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Daniel Lepădatu, membru Ion Antonescu, partener industrial SC GREEN RIV PROJECT SRL Bacău, Valoare: 213.130 lei, 2018-2020, Nr. luni 24, Nr. membri 10 8. Contract subsidiar „Sistem pentru producerea lemnului sintetic aditivat cu nanomateriale utilizand deseuri de biomasa", nr. 15/26.09.2018 (16483/01.08.2018 - UTI), la Proiectul „Produse și tehnologii ecoinovatoare pentru eficiență energetică în construcții EFECON", Director proiect, Prof. univ. dr. ing. Dorina Nicolina Isopescu, contract Id: P_40_295/105524 - Proiect cofinanţat din Apel: POC/71/1/4/Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership), A. P.1 - Cercetare, dezvoltare tehnologică și inovare în sprijinul competitivității economice și dezvoltării afacerilor, Acțiune 1.2.3: Parteneriate pentru transfer de cunoştinţe (Knowledge Transfer Partnership) Cod MySMIS: 105524, ID: P_40_295, http://www.efecon.tuiasi.ro, Responsabil/Director contract de cercetare, Șef. lucr. dr. ing. Daniel Lepădatu, membru Ion Antonescu, partener industrial SC GREEN RIV PROJECT SRL Bacau, Valoare: 386.870 lei, 2018-2021, Nr. luni 30, Nr. membri 6 9. Grant "Dezastre naturale, analiză de risc și siguranță în infrastructura hidrotehnică" PN-III-P1-1.1-MCD-2017-0022, contract 2/20.11.2017, P1 - Dezvoltarea sistemului național de CD, Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetatori cu experienta din diaspora, 2017, Valoare 17.280 lei, membru în colectiv Ion Antonescu, 4 membri, https://uefiscdi.ro/preview.php?&id=4767&wtok=9b786e93daf7100a195a247f580ede7927df87d8&wtkps=XY1RDoIwDEDv0m+Ja8ey0d2BmHgCZEgWiKCDLMF4d9n8MPrVpnnvtWHNz8CKIS7DGMB6Noq0rMgGlgzBO0ibYcDxHufy0TZVqbd13C5u8l1ZoFmGPoYC1yn6a59oZPBpEoMi+IRal+NIJgGawbn5djofpRZkyAhlsrGr38uBEJVElChzVmWr/nNQMPyC+9/Yga3t6w0=&wchk=092e3f4f173aa2a4b222706e049e95bb3563 94ca 10. Grant „Dezvoltarea platformei de cercetare pentru energie eficientă şi durabilă - ENERED", contract POSCCE-A2-O2.2.1-2009-4, ID nr. 911 - Proiect cofinanţat din Fondul Social European prin Programul Operaţional Sectorial Creșterea Competitivității Economice - POS CCE, Contractul de Finanţare 430 din 21 dec. 2012, , membru în colectiv Ion Antonescu, 2013 – 2016, valoare 51.031.879 ron, Nr. membri 28 11. Grant „Nanomateriale inteligente (introduse în straturile rutiere) pentru conversia și stocarea energiei solare a căilor rutiere în energie termică/electrică pentru degivrare sau pentru staţii de alimentare a autovehiculelor ecologice" PNCDI III P1 - Dezvoltarea sistemului national de CD, Subprogramul 1.1. Resurse Umane, Proiecte de mobilitate pentru cercetatori cu experienta din diaspora, PN-III-P1-1.1-MCD- 2016-0090, membru în colectiv Ion Antonescu, 2016, valoare 24.030,00 ron, Nr. membri 4 12. Grant "Sistem expert pentru stabilirea tipului de ajustaj, alegere a câmpurilor de toleranţe şi determinarea valorilor abaterilor limită în proiectarea asistată de calculator", Cod CNCSIS 249, Tema nr. 7, Contract nr. GR 217, 2006, 2006-2008, membru în colectiv Ion Antonescu, valoarel 127443.5 lei, Nr. membri 7 13. Contract nr. 3002/94-10116 Poz. C-23, Realizarea de biblioteci parametrizate de repere specifice standardelor româneşti pentru sistemele de proiectare asistată de calculator, încheiat cu M.I., 1994, membru în colectiv Ion Antonescu 14. Contract nr.5002/C Poz.B18, Elaborarea de programe didactice de grafică asistată de calculator pentru studenţi la

	disciplina geometrie descriptivă, încheiat cu M.C.T., membru în colectiv Ion Antonescu, 1993 15. Contract nr. 5002C/7463-93 Poz.C2-18, Elaborarea de programe didactice de grafică asistată de calculator pentru studenţi la geometrie descriptivă, încheiat cu M.I., membru în colectiv Ion Antonescu,1993 16. Contract nr. 1080B/7464-93 Poz.B1-26, Pregătirea documentaţiei pentru folosirea programelor specializate de grafică asistată de calculator în desenul tehnic, încheiat cu M.I., membru în colectiv Ion Antonescu, 1993 17. Grant „Introducerea graficii asistate de calculator în pregatirea studenţilor din anii I si II de la facultăţile tehnice din cadrul Institutului Politehnic Iaşi" în valoare de 11.000 dolari S.U.A., aprobat şi finanţat de "Fundaţia Soros pentru o Societate Deschisă", România, membru în colectiv Ion Antonescu, 1993, 18. Contract nr. 7004/91, Introducerea graficii asistate de calculator în procesul de pregătire a studenţilor la disciplina geometrie descriptivă şi desen. documentare asupra programelor folosite în ţară şi străinătate, încheiat cu M.I.S., membru în colectiv Ion Antonescu,1991 19. Contract de cercetare nr. 960-87 al I.N.M.T., Filiala Iaşi, beneficiar Intreprinderea de Autoturisme ARO, Cîmpulung-Muscel, membru în colectiv Ion Antonescu, 1987
	Premii, distincţii.
	1. Medalia de Aur la Târgul Internațional de Invenții și Idei Practice INVENT - INVEST 2021, in memoriam CONSTANTIN-MARIN ANTOHI, Editia a XII-a, 10 decembrie 2021, organizat de Societatea Inventatorilor din Romania in colaborare cu Facultatea de Electronică Telecomunicații și Tehnologia Informației, Universitatea Tehnică „Gheorghe Asachi" din Iași, pentru lucrarea Ion Antonescu, Dorina-Nicolina Isopescu, Iulian Cucoș, Vlad-Cătălin Cucoș, Ionel-Ciprian Alecu, Laurența Crudu – Fiberglass waste recycling plant. http://www.inventica- sir.ro/doc/rezultate/premii_SIR31_d.htm 2. Medalia de Argint la Târgul Internațional de Invenții și Idei Practice INVENT - INVEST 2021, in memoriam CONSTANTIN-MARIN ANTOHI, Editia a XII-a, 10 decembrie 2021, organizat de Societatea Inventatorilor din Romania in colaborare cu Facultatea de Electronică Telecomunicații și Tehnologia Informației, Universitatea Tehnică „Gheorghe Asachi" din Iași, pentru lucrarea Ioan Alecu, Ion Antonescu, Dumitru Cuciureanu, Adrian Mihailă, Swivel impeller pump with low rotational speed, http://www.inventica-sir.ro/doc/rezultate/premii_SIR31_d.htm 3. Diplomă de Excelență la ProTehnica, ediția a II-a, Salonul Inventatorilor Maramureșeni, ediția a XIII-a, organizată de Camera de Comerț și Industrie Maramureș, Baia Mare, 23-24 mai 2019, Echipament de decolmatare parțială a acumulărilor de apă autori: Valentin Boboc, Raluca Mitroi, Ion Antonescu. 4. Premiul Special al Juriului la Workshop-ul de Invenții și Inovații 2019 - Iași Capitala Tineretului, pentru inovația Sisteme inovative de generare energie ecologică, Facultatea de Hidrotehnică, Geodezie și Ingineria Mediului, Universitatea Tehnică „Gheorghe Asachi" din Iași. 5. Diploma de Excelență, Workshop Invenții și Inovații TINERET-2019, Facultatea de Hidrotehnică, Geodezie și Ingineria Mediului, Universitatea Tehnică „Gheorghe Asachi" din Iași. 6. Diplomă de Excelență la ProTehnica, ediția a II-a, Salonul Inventatorilor Maramureșeni, ediția a XIII-a, organizată de Camera de Comerț și Industrie Maramureș, Baia Mare, 23-24 mai 2019, Echipament de decolmatare parțială a acumulărilor de apă autori: Valentin Boboc, Raluca Mitroi, Ion Antonescu. 7. Medalia de aur cu diplomă de excelenţă la Târgul Internaţional de Invenţii şi Idei Practice „INVENT-INVEST 2018" Chişinău, Republica Moldova, pentru invenţia "Platformă mobilă pentru aerarea apelor de suprafaţă", autori C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu. 8. Diploma Academiei de Ştiinţe a Moldovei, Chişinău, Republica Moldova, 2018.

	9. Diplomă cu Medalia de Aur la Expoziţia Internaţională Specializată „INFOINVENT”, organizată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova, 15- 18 noiembrie 2017, Chişinău, Republica Moldova, pentru invenţia “Platformă mobilă pentru aerarea apelor de suprafaţă”, autori C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu 10. Diplomă cu Medalia de Argint la Expoziţia Internaţională Specializată „INFOINVENT”, organizată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova, 15-18 noiembrie 2017, Chişinău, Republica Moldova, pentru invenţia „Reactor for electrochemical treatement of industrial waste water” autori Creţescu Igor, Theodosiu Carmen, Zaleschi Laura, Soreanu Gabriela, Antonescu Ion 11. Diplomă cu Medalia de Bronz la Expoziţia Internaţională Specializată „INFOINVENT”, organizată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova, 15-18 noiembrie 2017, Chişinău, Republica Moldova, pentru invenţia „Echipament de decolmatare parţială a acumulărilor de apă” autori Raluca Mitroi, Valentin Boboc, Antonescu Ion 12. Diplomă de excelenţă cu Medalia de Aur la Târgul Internaţional de Invenţii şi Idei de Afaceri „INVENT-INVEST 2017” Ungheni, România-Moldova, 12-15 noiembrie 2017 organizat de Societatea Inventatorilor din România, pentru invenţia „Mobile Platform for Surface Water Aeration” autori C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu 13. Diplomă şi Medalia Târgului la Târgul Internaţional de Invenţii şi Idei de Afaceri „INVENT-INVEST 2017” Ungheni, România-Moldova, 12-15 noiembrie 2017 organizat de Societatea Inventatorilor din România, pentru invenţia „Reactor for electrochemical treatement of industrial waste water” autori Creţescu Igor, Theodosiu Carmen, Yaleschi Laura, Soreanu Gabriela, Antonescu Ion 14. Diploma de excelenţă la Salonul Inovării şi Cercetării UGAL INVENT, Galaţi, 19- 20 octombrie 2017, organizat sub patronajul Ministerului Cercetării şi Inovării, pentru invenţia „Echipament de decolmatare parţială a acumulărilor de apă” autori Raluca Mitroi, Valentin Boboc, Antonescu Ion 15. Diploma Gold Medal la The XXI-th International Salon of Research, Inovation and Technological Transfer „INVENTICA 2017” Iaşi, România, 28-30 iunie, 2017, organizată de Institutul Naţional de Inventică Iaşi, pentru invenţia „Echipament de decolmatare parţială a acumulărilor de apă” autori Raluca Mitroi, Valentin Boboc, Antonescu Ion 16. Medalia de aur pentru inventia "Reactor pentru epurarea electrochimică a apelor uzate Industriale". Salonul Bruxelles INNOVA 2016, 17-19 noiembrie 2016, Bruxelles, Belgia. Igor Cretescu, Carmen Teodosiu, Laura Zaleschi, Gabriela Soreanu, Ion Antonescu 17. Diploma de excelenta si medalia de aur, INVENTICA, iunie 2016, pentru inventia “Platform mobila pentru aerarea apelor de suprafata”, autori , B.M. Sluser, I. Antonescu, I. Cretescu 18. Diploma de excelenta si medalia de aur, INVENT-INVEST2016, septembrie 2016, pentru inventia “Platforma mobila pentru aerarea apelor de suprafata”, C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu 19. Medalia de aur, Sevastopol, New Times, septembrie 2016, pentru inventia “Platforma mobila pentru aerarea apelor de suprafata”, C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu 20. Premiul special acordat de Asociatia Romania pentru Tehnologii Neconventionale, Bucuresti, INVENT-INVEST/ septembrie 2016, C.M. Antohi, B.M. Sluser, I. Antonescu, I. Cretescu, pentru inventia „Platforma mobila pentru aerarea apelor de suprafata” 21. Diploma Gold Medal la The XIX-th International Exhibition of Research, Inovation and Technological Transfer „INVENTICA 2015” Iaşi, România, june 24-26, 2015, organizată de Institutul Naţional de Inventică Iaşi, pentru „System for Conversion of Thermal Energy in Electricity” 22. Diploma Gold Medal with special mention of the jury la The XIX-th International Exhibition of Research, Inovation

	and Technological Transfer „INVENTICA 2015" Iaşi, România, june 24-26, 2015, organizată de Institutul Naţional de Inventică Iaşi, pentru „Motogenerator" Alecu I., Antonescu I., Golgoţiu E., Creţescu I. 23. Diplomă de Excelenţă – Camera de Comerţ şi Industrie Maramureş - Salonul de INVENTICA ediţia a-VIII-a Baia Mare 28-29.05.2015, „Generator de energie cu triplă conversie" autori: Antonescu I., Antonescu I., Alecu I., Golgoţiu E., Cucoş I., Stroe C.M. 24. Diplomă de Excelenţă – Camera de Comerţ şi Industrie Maramureş - Salonul de INVENTICA ediţia a-VIII-a Baia Mare 28-29.05.2015, „Reactor pentru epurarea electrochimică a apelor uzate industriale" autori: Creţescu I., Teodosiu C., Zaleschi L., Soreanu G., Antonescu I. 25. Diplomă Medalia de Aur la Salonul Internaţional de Invenţii şi Inovaţii „Traian Vuia" Timişoara, 2015 organizat de Societatea Inventatorilor din Banat, „Generator de energie cu triplă conversie" autori: Antonescu I., Alecu I., Golgoţiu E., Cucoş I., Stroe C.M. 26. Diploma Gold Medal – International Fair of Inventions and Practical Ideas "INVENT - INVEST 2015 - FREE ENERGY ", Romanian Society of Inventors, Iasi, 19- 22.10.2015, „Solar panel with organic flexible solar cells" autori: Antonescu I., Miron M. 27. Diplomă cu Medalia de Argint la Salonul de Invenţii şi Inovaţii INVENTIKA, din cadrul Târgului Tehnic Intrenaţional TIB Bucureşti, 15-18 octombrie 2014 pentru „Reactor pentru epurarea electrochimică a apelor uzate industriale" autori: Creţescu I., Teodosiu C., Zaleschi L., Soreanu G., Antonescu I. 28. Diplomă cu Premiul I la Secţiunea Invenţii cu Medalie de Aur la Târgul Internaţional de Invenţii şi Idei Practice „INVEST-INVENT", organizat de Societatea Inventatorilor din România, Bucuresti, 17-23 iunie 2013, pentru lucrarea "Generator de Energie cu Triplă Conversie" autori: Antonescu I., Alecu I., Golgoţiu E., Cucoş I., Stroe C.M. 29. Diplomă cu Medalia de Bronz la Expoziţa Europeană a Creativităţii şi Inovării EUROINVENT 2012, Iaşi, pentru "Low Head Hydraulic Turbine" autori: Cucoş I., Antonescu I., Alecu I., Matei D. 30. Diplomă cu Medalia de Bronz acordată de Agenţia de Stat pentru Proprietate Intelectuală a Republicii Moldova la Expoziţia Internaţională Specializată "INFOINVENT", 22-25 noiembrie 2011, Chişinău, Republica Moldova, pentru "Convertor Termopneumatic cu Hidromotor" autori: Alecu I., Antonescu I.,Cucoş I., Dumitru M. 31. Diplomă cu Medalia de Aur la VII-th International Salon of Inventions and New Technologies "New Time", 22-24 Septembrie 2011, Sevastopol, Ucraina, pentru "Termo-Pneumatical Convertor with Hidro-Engine" autori: Alecu I., Antonescu I.,Cucoş I., Dumitru M. 32. Premiul special al Centrului "AIUMELI" la al VII-lea Salon Internaţional de Invenţii şi Noi Tehnologii "Timpuri noi", 22-24 Septembrie 2011, Sevastopol, Ucraina, pentru "Termo-Pneumatical Convertor with Hidro-Engine" autori: Alecu I., Antonescu I.,Cucoş I., Dumitru M 33. Premiul special al Mejdunarodnaia Kadrovaia Akademia Kiev la al VII-lea Salon Internaţional de Invenţii şi Noi Tehnologii "Timpuri noi", 22-24 Septembrie 2011, Sevastopol, Ucraina, pentru "Termo-Pneumatical Convertor with Hidro-Engine" autori: Alecu I., Antonescu I.,Cucoş I., Dumitru M. 34. Premiul I cu Medalie de Aur la Secţiunea Invenţii, Târgul Internaţional de Invenţii şi Idei Practice "Invest Invent" Bucureşti, 17-23 iunie 2013, organizat de Societatea Inventatorilor din România, - Ion Antonescu, Ioan Alecu, Eugen Golgotiu, Iulian Cucos, Catalin-Marius Stroe-S.C. Ruris Craiova. 35. Diplomă cu Medalia de Argint acordată de ANCS la Expoziţia Internaţională de Invenţii, Cercetare Ştiinţifică şi Tehnologii Noi INVENTIKA, 5-8 octombrie, Bucureşti, pentru "Turbină Hidraulică de Mică Înălţime" autori: Cucoş I.,

	Antonescu I., Alecu I., Matei D. 36. Diplomă cu Medalia de Aur la a XV-a Expoziţie Internaţională a Cercetării, Inovării şi Transferului Tehnologic "INVENTICA 2011", Iaşi, 8-10 iunie 2011, pentru "Turbină Hidraulică de Mică Înălţime" autori: Cucoş I., Antonescu I., Alecu I., Matei D. 37. Diplomă de Excelenţă şi Medalia de Aur, la Salonul Internaţional de Inventică "PRO INVENT" Ediţia a VIII-a, 2010, Cluj-Napoca, pentru "Pompă cu Rotor Oscilant Acţionată cu Viteză de Rotaţie Mică" autori Alecu I., Antonescu I., Cuciureanu D., Mihăilă A. 38. Diplomă de Excelenţă la Salonul Regional al Cercetării 2010, Bacău, organizat de Camera de Comerţ şi Industrie Bacău, pentru "Pompă cu Rotor Oscilant Acţionată cu Viteză de Rotaţie Mică" autori Alecu I., Antonescu I., Cuciureanu D., Mihăilă A. 39. Diploma de Onoare acordată de Societatea Inventatorilor din România cu ocazia Târgului de Internaţional de Invenţii, "INVENT-INVEST SIR 20", Iaşi, 22-27 noiembrie 2010, şi a Jubileului de 20 de ani de la înfiinţarea SIR domnului Antonescu I. pentru activitatea desfăşurată în domeniul creaţiei tehnice. 40. Diplomă cu Medalia de Aur la al V-lea Salon International de de Invenţii şi Noi Tehnologii "Timpuri noi", 24-26 Septembrie 2009, Sevastopol, Ucraina, pentru "Pump with Oscilant Rotor Actioned with Low Rotational Speed" autori: Alecu I., Antonescu I., Cuciureanu D., Mihăilă A. 41. Diplomă de Excelelenţă Iaşi 600 cu Medalia de Bronz, la Salonul Internaţional Jubiliar al Cercetării, Invenţiilor şi Transferului Tehnologic "INVENTICA 2008", Iaşî, 14- 24 mai 2008 pentru "Expert System for Setting The Fit Type, Choosing The Tolerance Fields and Determining of The Limit Deviances inComputer Aided Design" autori: Prună L., Antonescu I., Anghel A. Romanescu C., Slonovschi A.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Apreotesei Gabriela **Lector. dr.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Dana Ortansa Dorohoi1, Steluta Gosav2, Ana Cezarina Morosanu1, Dan Gheorghe Dimitriu1, Gabriela Apreotesei3, and Teodora Gosav4 "Molecular Descriptors—Spectral Property Relations for Characterizing Molecular Interactions in Binary and Ternary Solutions, Excited State Dipole Moment Estimation", Symmetry 2023, 15, 2075. https://doi.org/10.3390/sym15112075 2. Nicoleta Melniciuc Puica, Dan-Gheorghe Dimitriu, Gabriela Apreotesei, Ana Cezarina Morosanu and Dana- Ortansa Dorohoi "Computational Study of Some 4'-Aryl-1,2,4-triazol-1-ium-4-R2-phenacylid Derivatives in Vacuum and Dimethylformamide", Symmetry 2022, 14, 2099. https://doi.org/10.3390/sym14102099 3. Daniela Ionescu, Gabriela Apreotesei, "About narrow band optical digital filters based on metamaterials", 2021 IEEE 27th International Symposium for Design and Technology in Electronic Packaging (SIITME), doi: 10.1109/SIITME53254.2021.9663696, 27-30 oct 2021 Timișoara, România, pag 173-176 4. Daniela Ionescu, Gabriela Apreotesei, "Dopants Effect on the Conductive Polymer Performances, Used for Artificial

	Muscles", 2022 IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 oct 2022 Bucuresti, Romania, DOI: 10.1109/SIITME56728.2022.9987743 5. Daniela Ionescu, Gabriela Apreotesei, "Control of the Energy Conversion in Radial Microactuators Using Conductive Polymers", 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), 18-20 October 2023, Craiova, Romania, DOI: 10.1109/SIITME59799.2023.10431037 6. Daniela Ionescu, Gabriela Apreotesei, "Improving the Properties of Conducting Polymers in Self-Doping Variant", 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), 18-20 October 2023, Craiova, Romania, DOI: 10.1109/SIITME59799.2023.10430563 7. Daniela Ionescu, G. Apreotesei, "A Novel Simulational Approach: Electromagnetic Parameters Determinations for Some Ferrite-Ferroelectric Nanocomposites", Romanian Reports in Physics, ISSN 12211451, 18418759, Volume 65, Number 4, p.1328-1347, 2013 8. R. Bădescu, G.Apreotesei, V. Bădescu "Viscous and thermal effects on acoustic properties of ferrofluids with aggregates", Rom. Journ. Phys., Vol. 55, Nos. 1–2, pag. 173–184, 2010. 9. G. Apreotesei, L.E. Udrea, O. Rotariu, R. Bădescu „Water based ferrofluids for biomedical applications – physical characterisation", J. Optoelectr. Adv. Mat., 9(11), 3427-3430, 2007 10. G. Apreotesei, R. Bădescu, L.E. Udrea, O. Rotariu "The study of the magneto-birefringence relaxation for an aqueous ferrofluid on the polyvinyl alcohol base", Rom. Journ. Phys., Vol. 53, Nos. 3–4, P. 535–544, Bucharest, 2008
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Baciu (Stan) Alina Georgiana **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Gheorghe Livinț, Baciu Alina-Georgiana, Sisteme de control robust, Ed. Matrix Rom București, ISBN 978-606-25-0542-4, 2020
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Aida Baltag, Gheorghe Livint, Alina Baciu, Samir Bellarbi Design of Hinfinity robust controllers for wind turbines based on DFIG, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical And Power Engineering, 2022, Iasi, Romania 2. Alexandru Mitocaru, Marian-Silviu Poboroniuc, Danut Irimia, Silvia Placinta, Alina Baciu Brain- Computer Interface

	movement control for humanoid robot, EPE 2022 - Proceedings of the 2022 12th International Conference and Exposition on Electrical And Power Engineering, 2022, Iasi, Romania 3. Aida Baltag, Gheorghe Livint, Alina Baciu Robust control structure for wind turbine based on DFIG, Conferinta Nationala a Actionarilor Electrica, Editia XX Timisoara, 12-13 mai 2022 4. Aida Baltag, Gheorghe Livint, Lucian Belehuz, Alina Georgiana Baciu, "Application of feedback linearization method to wind turbines with PMSG for extracting maximum power from wind energy", 2023 10th International Conference on Modern Power Systems (MPS), 21-23 June 2023, Cluj-Napoca Romania 5. Marian-Silviu Poboroniuc , Andrei Iulian Roman,Radu Ionascu, Teodora Piseru, Andrei Piseru, Danut Irimia, Alina Baciu, Alexandru Mitocaru, "Hybrid FES&Mechatronic devices to assess and support rehabilitation in stroke people", The XXVII international Conference "INVENTICS 2023 – Science of creativity", Iasi, Romania 6. Florin Andrei Rusu, Gheorghe Livint, Alina Baciu, Analysis of hybrid energy storage systems based on photovoltaic panel, supercapacitors and battery for electric vehicles, Environmental Engineering and Management Journal, Vo.19, No.1, 121-129, January 2020. 7. Danut Constantin Irimia ; Alexandra Mitocaru ; Alina Georgiana Baciu ; Marian Silviu Poboroniuc Steady-State Visual Evoked Potentials-based Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility, 2019 E-Health and Bioengineering Conference (EHB),2019, Iasi Romania. 8. Rusu F.A., Baciu A.G., Livinț G., Applicability of Fuel Cell in Electric Vehicles , Proc. of 18-th International Conference on Electrical and Power Engineering EPE2018, Iași, România, 18-19 Oct. 2018, indexata IEEE. 9. M.S. Poboroniuc, D.C. Irimia, A. Baciu, T. Bondar, I.A. Nitica, A.E. Piseru, A Fuzzy Controller to Support FES-Based Sitting-Down in Paraplegia, Proc. of 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/ICEPE.2018.8559951, indexata IEEE. 10. Baciu A.G., Livinț G., Wavelet Transform and Neural Network Based Control Strategy for Hybrid Energy System, Proc. of 11-th International Conference on Electromechanical and Power Systems SIELMEN2017, Chișinău, Rep. Moldova, 12-13 Oct. 2017. 11. Danut Irimia, Marian Poboroniuc, Florin Serea, Alina Baciu, Radu Olaru, Controlling a FES- EXOSKELETON Rehabilitation System by Means of Brain-Computer Interface, 2016 International Conference and Exposition on Electrical and Power Engineering, indexed IEEExplore and Reuters WOS, pp.352-355, 20-22.10.2016, RO, ISBN: 978-1-5090-6128-0, IEEE Catalog Number: CFP1647S-USB, DOI: 10.1109/ICEPE.2016.7781361. 12. Stan (Baciu) A.G, Livinț G, Control strategies for hybrid electric vehicles with two energy sources on board - 2014 International Conference and Exposition on Electrical and Power Engineering, 8th edition, 16-18 October 2014, Iași, România. 13. Stan (Baciu) A.G, Livinț G, Multistep – Ahead Prediction of Power Demand using a sliding Window Technique and Neural Networks - 2012 International Conference and Exposition on Electrical and Power Engineering, 7th edition, 25-27 October 2012, Iasi, Romania. 14. Adam G., Stan (Baciu) A.G., Livinț G., An adaptive hysteresis band current control for three phase shunt active power filter using Fuzzy logic – 2012 International Conference and Exposition on Electrical and Power Engineering, 7th edition, 25th-27th October 2012, Iasi, Romania. 15. Stan (Baciu) A.G., Adam G., Livinț G. Using Wavelet transform and neural network algorithm for power demand prediction - 26th European Conference on Modelling and simulation, ECMS 2012, 29th May-1st June 2012, Koblenz, Germany. 16. Adam G.,Stan (Baciu) A.G., Livinț G. Improved BLDC control algorithm for reducing source current harmonics.

	Simulation study - 26th European Conference on Modelling and simulation, ECMS 2012, 29th May-1st June 2012, Koblenz, Germany. 17. Adam G.,Stan A.G., Livinţ G. A Matlab-Simulink approach to shunt active power filters - 25th European Conference on Modelling and simulation, ECMS 2011, pg. 205-210, 7-10th June 2011, Krakow, Poland.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Baciu A.G., Livinț G., Irimia D.C., Poboroniuc M.S., Battery/Supercapacitor Hybridization – Solution to improve efficiency of a vehicular system, Conferința Națională a Acționărilor Electrice, Iași, 7-8 Iunie 2018. 2. Irimia D.C., Baciu A.G., Sticea D.A., Poboroniuc M.S., New Fes-robotic glove hyybrid system for hand motor functions rehabilitation, Conferința Națională a Acționărilor Electrice, Iași, 7-8 Iunie 2018. 3. Stan A.G., Adam G., Livinţ G., Munteanu C., ”Simulation and analysis of a fuel cell/battery hybrid vehicular power system” – 4th International Symposium on Electrical Engineering and Energy Converters, pg. 171-176, 22nd-23rd September 2011, Suceava, Romania 4. Adam G., Stan A.G., Livinţ G., A Matlab graphical user interface for studying brushless dc motor control – 4th International Symposium on Electrical Engineering and Energy Converters, pg. 251-254, 22nd-23rd September 2011, Suceava, Romania 5. Stan A.G., Munteanu C., Livinț G., Adam G. Technological challenges for successful development of a hybrid electric vehicle, The 7th International Conference Management of Technological Changes, MTC 2011, pg. 609-612, 1-3rd September 2011, Alexandroupolis, Greece 6. Adam G., Stan A.G., Livinț G. Impact of poor power quality in household equipment and how to diminish it, The 7th International Conference Management of Technological Changes, MTC 2011, pg. 433- 436, 1-3rd September 2011, Alexandroupolis, Greece 7. Stan A.G., Livinţ G., Utilizarea transformatei Wavelet în analiza şi filtrarea semnalelor – Al II- lea Simpozion Stiinţific Studentesc Naţional ELStudis, 26-27 Octombrie 2010, Iasi, Romania. 8. Stan A.G., Livinţ G., “A Wavelet based energy management strategy for a fuel cell power system” – 6th International Conference on Electrical and Power Engineering, EPE2010, Iasi, Romania.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Baciu G. Ioana **Lector. univ. dr.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Baciu, loana, ‘Feminism and Consumer Culture in Contemporary Film Adaptations of Fairy- Tales: Snow-White and the Huntsman and Mirror, Mirror(2012)’in Shifting Perspectives: Personal and Political Transformations, eds. Maureen Dalyn

	—Goggin, Barbara Raztenbock, Oana Ursulesku, Hamed Tayebi, Karl Franzens Universitat Graz, pp. 35-41, ISBN 978-3-7011-035-1, https://unipub.uni-graz.at/obvugruniver/content/titIeinfo/4589865 2. Baciu, loana, Femininity as Performance in Carson McCullers' 'The Ballad of the Sad Cafe', 'The Member of the Wedding' and 'The Heart is a Lonely Hunter', Volumul Performing ldentity: The Relationship between Identity, Gender and Performance in Literature, Theatre and the Visual Arta, ed. Panoyiota Crysochou, Cambridge Scholar Publishing, 2017, pp.39-52 3. Baciu, loana, Nature and Culture in the American Gothic, Editura Prouniversitaria, București, 2023, 222 p.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Baciu, Ioana, Recenzie a volumului „Crime Fiction as World Literature", Louise Nilsson, David Damrosch, and Theo D'haen, Bloomsbury Academic, 2017, în VTU Review: Studies in the Humanities and Social Sciences, vol.6, no.1, 2022, pp.75-76, doi: 10.54664/ZAEI2131 2. Baciu, loana, „Gheorghe Asachi" Technical University of lasi, Recenzie: Maggie O'FarreII, Hamnet, Tinder Press, 2020, Les Cahiers Linguatek, ISSN 2559-7752, ISSN-L 2559-7752, Mémoire et Oubli, nr. 9-10/2021, pp. 197-200, indexare Fabula.org. CEEOL; http:/limbistraine.tuiasi.ro/images/8.%20CentruI%20de%20Iimbi%20modeme/LesCahiersLing uatek9-10.pdf 3. Baciu, loana, Medical Gothic Masculinities in Bram Stoker's "Dracula", Linguaculture, 12:1, 2021, pp. 77-86, DOI: 10.4773/Iincu-2021-1-0188 4. Baciu, loana, „Gheorghe Asachi Technical University of lasi, Buletinul Institutului Politehnic lasi, Secția Socio-Umane, Volumul 67 (71), nr. 1-2/2021, Writing is Masculine, Gossip is Feminine: American Myths in Shirley Jackson's "The Possibility of Evil", pp. 39-52 5. Baciu, Ioana, Rewinding a Clockwork Self-Disintegration and Unity in The British Literature of the 60s: The Golden Notebook and A Clockwork Orange, Romanian Journal of Literary Studies, nr. 5/2014, ISSN 2248-3004, pp. 619-626 6. Baciu loana, Thoreau's Civil Disobedience and Racism in The Help, Revista ETHOS, nr. 12, 2015, Editura Institutului European, pp. 71-75 7. Baciu loana, Recenzie a volumului Constanța Vintilă-Ghițulescu, Patimă și desfătare. Despre lucrurile mărunte ale vieții cotidiene în societatea românească, 1750-1860 (Passion and Delight. On Small Things of Daily Life in Romanian society, 1750-1860), Humanitas, București, 2015; The Patching Zone (Editor Anne Nigten), Real Projects for Real People, voi.4, Rotterdam, Tripiti, 2015, HSS V.1 (2016), DOI: 10.1515/hssr -2016-0009 8. Baciu loana, Consumerism and Culture in Modemist Literature, Revista ETHOS, nr. 13, 2015, ISSN 224 9427 Editura Universității Petre Andrei" din Iași
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Baciu, loana, Reinterpreting the Frankenstein Myth in Yorgos Lanthimos'Poor Things (2023), Les Cahiers Linguatek 15-16 / 2024, pp 251-260, volumul conferinței Mad Science: Innovation, Genius, Madness, 10-11 mai 2024, Universitatea Tehnică „Gheorghe Asachi din Iași, Iași, http://limbistraine.tuiasi.ro/images/8.%20Centrul%20de%20limbi%20moderne/001_Les%20Cahiers%20Linguatek_vol.VIII_nos.15-16.pdf 2. Baciu, loana, How WeII Does Political Corectness SeII? Portraying Racism for the Masses in The Help (2011) and

	Django Unchained (2012), publicat în volumul conferinței Communication, Context, Interdisciplinarity, 3rd Edition, Tîrgu Mureș, 23-24 octombrie 2014, Institutul de Studii Multiculturale Alpha în parteneriat cu Universitatea "Petru Maior" din Tîrgu Mureș și Institutul de studii socio-umane "Gheorghe Șincai" al Academiei Române, ISSN 2069— 3389, pp. 211-218 3. Baciu loana, Ted Hughes and R. S. Thomas —Advocates of Ecotheology?, Literature, Discourse and Multicultural Dialogue 2nd Edition, Tirgu Mures. 4-5 decembrie 2014, Institutul de Studii Multiculturale Alpha în parteneriat cu Universitatea "Petru Maior"din Tîrgu Mures și Institutul de studii socio-umane "Gheorghe Șincai"al Academiei Române, pp. 991-998 Articol/studiu publicat în volumul unei manifestări ştiinţifice neindexate în baze de date 4. Baciu, Ioana, Changing Nature into Culture: Carson McCullers' Unredeemable Wunderkinds, in volumul Change and Exchange, Proceedings of the Fifth National Conference for Students of English Studies at the University of Suceava, 9–10 May 2014, edited by Cornelia Macsiniuc and Daniela Maria Marțole, Editura Universității „Ștefan cel Mare" din Suceava, 2015, pp. 11-20
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. P/F1 Co-responsabil proiect CRU Transversal(ity) in the Univers(ity) (Transversal(ité) dans l'Univers(ité) Développement et renforcement des compétences transversales chez les étudiants et les enseignants des filières techniques et d'architecture : communication, transdisciplinarité, autonomie) 2. Expert formator în proiectul ROSE, acord de grant 348/SGU/SS/III cu titlul STIM@DIMA, Susținerea viitorilor ingineri-manageri, 19.02.2024-31.05.2024 **3.** /2024 – 15/11/2024, proiect câștigat în urma apelului de manifestare de interes pentru marcarea aniversării a 30 de ani AUF ECO 'Créer, transformer, innover, exceller ! 30 ans de l'AUF-ECO' https://www.auf.org/nouvelles/actualites/resultats-appel-manifestation-dinteret- creer-transformer-innover-exceller-30-ans-de-lauf-eco/

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Butnariu Anca **Lector. univ. dr.**	**Cărţi publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Butnariu A., Luca F.A.- Triggers Of Born Global Companies, Network Intelligence Studies, 18, 2021, pp. 161-169 2. Butnariu A., Luca F.A., The role of marketing activities in reducing risk for construction companies, SEA-Practical Application of Science, Volume VIII, Issue 24 / 2020 indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com, pp.369-375 3. Butnariu A., Luca F.A., Apetrei A., Mitigating financial risk by using hedging strategies, SEA-Practical Application of

	Science, Volume VI, Issue 16 (1) / 2018, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com, pp.75-79 4. Butnariu A., Industrial branding - does it pay off?, SEA-Practical Application of Science, Volume V, Issue 15 (3) / 2017, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com, pp.493-498 5. Butnariu A., Ingredient branding- a growth opportunity?, SEA-Practical Application of Science, volume V, issue 13, pp. 101-107, 2017, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com 6. Butnariu A., Filipeanu D., Does CSR enhance the market performance for automotive companies?, SEA-Practical Application of Science, Volume IV, Issue 3(12), pp. 431-441, 2016, indexat BDI (RePEc,DOAJ, EconPapers,Ulrich'sWEB,CEEOL, IndexCopernicus, EuroInternet, ScienceCentral.com). 7. Butnariu A., Avasilcăi S., The influence of the environmental organisational capabilities on the competitive advantage, Annals of the Oradea University, Fascicle of Management and Technological Engineering, 24/ 1, 2015, pp.75-78, indexata Ulrichs, Web Global series, ICAAP, INTUTE, Index Copernicus International. 8. Butnariu A., Avasilcăi S., Industrial ecology, a new manufacturing paradigm, Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol. XII(XIII), 1/2013 indexata Ulrichs, Web Global series, ICAAP, INTUTE, Index Copernicus International. 9. Butnariu A., A model of CSR adoption in textile industry, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 3-4, 2015, Secţia ŞTIINŢE SOCIO-UMANE 10. Butnariu A., Strategii de selectare a pieţelor externe ţintă, Univers Economic, nr.3-4(6), 2010 11. Butnariu A., The place of BAT and eco-efficiency in a strategic model of sustainability, Univers Economic, nr. 2(5), 2010 12. Butnariu A., Contabilitatea mediului şi indicatorii de mediu, Univers Economic, nr. 5(4), 2010 13. Butnariu A., Irimia M., Measuring the Corporative Responsibility, Means and Concerns, Univers Economic, nr. 4(3), 2009 14. Irimia, M.P., Butnariu A.: „Controversial aspects of european economy", Buletinul Institutului Politehnic, secţia Ştiinţe Socio-Umane, Tomul LV, Fasc.1, 2009. 15. Butnariu A.: „Metode de cuantificare a valorii economice a bunurilor de mediu", Rev. Univers Economic, Univ.Gh.Zane Iaşi, nr. 2-3(3), 2009. 16. Irimia, M.P., Butnariu A.: „Perspectives of the flexibility of labour market in modern economies", Buletinul Institutului Politehnic, secţia Ştiinţe Socio-Umane, Tomul LIV(LVIII), Fasc. 2, 2008. 17. Irimia, M.P., Butnariu A.: "The product cost and the decision to offer on the market", Buletinul Institutului Politehnic-seria Textile Pielărie, nr.1/2006. 18. Irimia, M.P., Butnariu, A.: "Salariul şi sistemul de recompense în economia de piaţă", Revista Română de Textile Pielărie, nr.2/2005. 19. Irimia, M.P., Butnariu A.: "The relation between the management of the company and its functions", Buletinul Institutului Politehnic-seria Textile Pielărie, Tomul LI(LV), Fasc. 3-4, 2005. R32. Butnariu, A.: "Gestiunea portofoliului de titluri financiare" - Analele Ştiinţifice ale Universităţii de Stat din Moldova, vol. II, Chişinău, 2004. 20. Butnariu A.: "Integrarea României în Uniunea europeană - avantaje şi riscuri", Analele Ştiinţifice ale Universităţii de

	Stat din Moldova, Chişinău, 2005
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Butnariu A., Condurache Gh., SWOT analysis of the efficiency in the production of technological steam for the textile materials finishing, revista Industria Textilă, vol.64/ 6, 2013, pp. 342–345, indexata ISI, FI 0.475 2. Butnariu A., A Conceptual Model of Industrial Organisations' Environmental Behavior, Proceedings of Strategica International Conference, Upscaling Digital Transformation in Business and Economics, 2019, pp. 555- 565, ISBN 978-606-749-428-0, indexat Google Scholar, indexat Conference Proceedings Citation Index 3. Butnariu A., Luca F.A, An index of sustainable economic welfare for Romania, New Trends and Issues Proceedings on Humanities and Social Sciences, 2019, 6(8), pp 001–010 , indexat Google Scholar, indexat Conference Proceedings Citation Index. 4. Butnariu A., Avasilcăi S., The assessment of the companies' sustainable development performance, 2nd GLOBAL CONFERENCE on BUSINESS, ECONOMICS, MANAGEMENT and TOURISM, Procedia Economics and Finance, Volume 23, 2015, Pages 1233–1238, indexata Science Direct, http://www.sciencedirect.com/science/article/pii/S2212567115004220, Elsevier, ISI Proceedings 5. Butnariu A., Avasilcăi S.(2015), The Relation between Proactive Environmental Strategies and Competitive Advantage, IOP Conf. Series: Materials Science and Engineering 95(1), http://iopscience.iop.org/article/10.1088/1757-899X/95/1/012137/pdf, Proceedings Paper, indexată ISI, Scopus. 6. Butnariu A., Avasilcăi S., Research on the possibility to apply Ecological Footprint as environmental performance indicator for the textile industry, Procedia - Social and Behavioral Sciences, Volume 124, 20 March 2014, Pages 344–350, indexat Elsevier si Scopus, ISI Proceedings 7. Butnariu A., Avasilcăi S., Initiatives of textile industry organizations towards environmental issues, Advanced Materials Research Vol. 837 (2014) pp 612-617, indexat ISI Conference Proceedings Citation Index, Scopus 8. Butnariu A., Berariu R., Luca F., Bertea A., Perceived natural environmental uncertainty in Romanian textile industry, Proceedings of the 7th International Conference "Management of Technological Changes", Alexandroupolis, Greece, sept. 2011, indexata ISI Web of Knowledge, book 2, pp.25-28 9. Luca F.A., Butnariu A., Ioan C., Adaptability of the Romanian higher education system to the technological development requirements of the private sector, seen as the main workforce beneficiary, Proceedings of the 7th International Conference "Management of Technological Changes", Alexandroupolis, Greece, sept. 2011, indexata ISI Web of Knowledge, book 2, pp.377-380 10. Bertea A.F.,Butnariu A., Bertea A., New recycling technology for sustainable finishing of poliamide fabrics, Proceedings of the 7th International Conference "Management of Technological Changes", Alexandroupolis, Greece, sept. 2011, indexata ISI Web of Knowledge, book 2, pp.17-20 11. Bertea A.F., Butnariu A., Bertea A., Technological changes towards sustainability in the finishing of acrylic fabrics, Proceedings of the 7th International Conference "Management of Technological Changes", Alexandroupolis, Greece, sept. 2011, indexata ISI Web of Knowledge, book 2,pp.21-24
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Filipeanu D., Anton E., Butnariu A., Luca F.A., Crișan R., Resurse economice, calitate ştietică în sistemul de sănătate, IMPROVE – 7 - 9 decembrie 2016 – Prima conferință cu participare națională dedicată științei îmbunătățirii marketingului

	medical și comunicării între profesioniștii din sistemul sanitar și profesioniștii din marketing http://www.ispro.ro/files/Conferinta%20IMPROVE,%20Iasi,%207- 9%20decembrie%202016.pdf 2. Filipeanu D., Crișan Dabija R., Luca F.A., Anton E., Butnariu A., Rolul și scopul controlului ca activitate de conducere în spitalele publice din Romania, IMPROVE – 7 - 9 decembrie 2016 – Prima conferință cu participare națională dedicată științei îmbunătățirii marketingului medical și comunicării între profesioniștii din sistemul sanitar și profesioniștii din marketing, http://www.ispro.ro/files/Conferinta%20IMPROVE,%20Iasi,%207-9%20decembrie%202016.pdf 3. Butnariu A., Avasilcăi S., Environmental management and competitivity in Romanian textile industry, Proceedings of the 15th Romanian Textile and Leather Conference, 2014. 4. Butnariu A., Corporate sustainability and corporate social responsability: conceptual delimitations, articol prezentat la "Conferința Educație, Profesionalizare, Cunoaștere" - EPC 2013, publicat în Buletinul Institutului Politehnic din Iași, secția Socio-Umane, Tomul LX(LXIV), Fasc. 3-4, 2014, pp.51-57. 5. Butnariu A., Avasilcăi S., Research on the influence factors for the environmental management performance of textile Romanian firms, Proceedings of the 3rd Review of Management and Economic Engineering International Management Conference, "A new dilemma: between East and West", Cluj Napoca, sept.2012, Editura Todesco Publishing House ISSN: 2247-8639 6. Butnariu A. : "The business success and the sustainable development", conferința internațională CORTEP 2007, publicat în Buletinul Institutului Politehnic din Iași, vol. I, fascicolul 5/2007
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. PN-III-P1-1.1-MCT-2019-0100 buget- 9,176.00 RON 2. Planul national de cercetare dezvoltare si inovare pentru perioada 2015-2020 PN-III-P1-1.1- MCT-2017-0036, membru - 7,636.00 RON Proiecte de mobilitate pentru tineri cercetatori din diaspora **3.** CEEX 106/2006 - Cercetari exploratorii privind crearea si dezvoltarea interfetei consumator - produs de incaltaminte in vederea realizarii rapide a prototipurilor, Acronim: ExplorVIRT (CEEX-M1-C2-1738)-120.000 RON

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Chiriac Bogdan **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Achitei, G., Dontu, A. I., Chiriac, B., & Popescu, A. (2023). State-of-the-Art and Future Trends of Thermoelectric Generation Systems in Automotive Industry (pp. 1–8). https://doi.org/10.1007/978-3-031-45964-1_1 2. Cârlescu, V., Oprișan, C. M., Chiriac, B., Ianuș, G., & Olaru, D. N. (2022). Influence of Hand Sanitisers on the Friction

	Properties of the Finger Skin Amid the COVID-19 Pandemic (pp. 420–428). https://doi.org/10.1007/978-3-030-79165-0_39 3. Cârlescu V., A. Tufescu, B. Chiriac, CM Gavril, (2025) Modelling of Static and Kinetic Friction Coefficient in Stick-Slip Motion, ICIE , https://doi.org/10.1007/978-3-031-93554-1_35 4. Chiriac, B., Chiriac, E. A., Achitei, G., & Olaru, D. (2024a). Glass Wear with Different Powders (Eutalloy Tung Tec, Metco 82VF-NS and MTS 8013). Bulletin of the Polytechnic Institute of Iași. Machine Constructions Section, 70(3), 35–44. https://doi.org/10.2478/bipcm- 2024-0014 5. Chiriac, B., Chiriac, E. A., Achitei, G., & Olaru, D. (2024b). Wear of Glass with Soft Materials. Bulletin of the Polytechnic Institute of Iași. Machine Constructions Section, 70(3), 57–64. https://doi.org/10.2478/bipcm-2024-0016 6. Chiriac, B., Oprisan, C. M., Carlescu, V., & Olaru, D. N. (2022). Friction coefficient between glass surfaces and soft materials. IOP Conference Series: Materials Science and Engineering, 1262(1), 012004. https://doi.org/10.1088/1757-899X/1262/1/012004 7. Cojocaru, D., Ianuș, G., Cârlescu, V., Chiriac, B., & Olaru, D. (2025). Friction Torque in Miniature Ball Bearings. Lubricants, 13(1), 12. https://doi.org/10.3390/lubricants13010012 8. Cojocaru, D., Ianuș, G., Cârlescu, V., Chiriac, B., & Olaru, D. (2025). Grease Film Behavior in Ball Bearings. Lubricants, 13(10):429. 9. Oprisan, C. M., Chiriac, B., Carlescu, V., & Olaru, D. N. (2020). Friction forces on human finger skin. IOP Conference Series: Materials Science and Engineering, 724(1), 012059. https://doi.org/10.1088/1757-899X/724/1/012059 10. Oprișan, C. M., Chiriac, B., Cârlescu, V., & Olaru, D. N. (2020). Influence of the stiffness and the speed on the stick-slip process. IOP Conference Series: Materials Science and Engineering, 997(1), 012016. https://doi.org/10.1088/1757-899X/997/1/012016 11. Oprișan, C. M., Chiriac, B., Tufescu, A., & Olaru, D. N. (2022). Static and dynamic friction coefficient in low loads and sliding speed conditions. IOP Conference Series: Materials Science and Engineering, 1262(1), 012012. https://doi.org/10.1088/1757-899X/1262/1/012012 12. Oprisan C.M., Chiriac B., V. Cârlescu, A simplified friction force model of transient sliding contact between hard and soft surfaces, (2024), DOI:10.2478/bipcm-2024-0018
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Chiriac B., Oprisan C.M., Carlescu V., Olaru D.N., Static and Dynamic friction coefficient for glass surfaces, 10th International Conference on Tribology – Balkantrib 20, Servia, 2021
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Studiu de circulație privind organizarea traficului auto și pietonal în sat Valea Adâncă, Comuna Miroslava, Jud. Iași Director de proiect: Conf. Adrian Sachelarie Membru în echipă: Chiriac Bogdan (contribuție proprie 23,5% - certificat de director), Număr contract/tip 5039/2021, Valoare insitutie 3808000(lei) 2. Locuinte colective cu spatii comerciale la parter si parcare subterana pe teren proprietate prin demolare cladiri existente

	C.U. Nr. 1160/2021 Director de proiect: Conf. Lidia Gaiginschi Membru în echipă: Chiriac Bogdan (contribuție proprie 20% - certificat de director), Număr contract/tip 45296/2022, Valoare insitutie 1261400(lei) 3. Traficul auto si pietonal in satele Miroslava Gaureni, Balciu, Comuna Miroslava, Jud. Iasi Director de proiect: Conf. Adrian Sachelarie Membru în echipă: Chiriac Bogdan (contribuție proprie 20% - certificat de director), Număr contract/tip 163/2024, Valoare insitutie 416500(lei) 4. Creșterea deschiderii parcursului educațional către absolvire prin reducerea abandonului în primul an de studii la Facultatea de Mecanică de la Universitatea Tehnică „Gheorghe Asachi" din Iaşi (MEC4PASS) Director de proiect: Sef. lucr. Iulian Agape Membru în echipă: Chiriac Bogdan (contribuție propri, 4,42% - certificat de director), Număr contract/tip ROSE AG 206SGU/NC/II/ 2019, Valoare insitutie 700515(lei) **5.**

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Chiriac Gabriel **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Costică Nițucă (coord.), Ilie Nucă (coord.), Adrian Traian Pleșca, GABRIEL CHIRIAC, Vadim Cazac, Marcel Burduniuc, Georgel Gabor, Adrian Moldovan, Guideline regarding the improve of the energetical performances for an electric bus, Ed. Tritonic, București, 2022, 220 pag. (în limba engleză). 2. Dorin Lucache, Georgel Paicu, GABRIEL CHIRIAC, Elena Dănilă, Utilizări ale energiei electrice, Aplicaţii, Ed. Pim, 2014, ISBN 978-606-13-2036-3. 3. Mircea Ilinca, GABRIEL CHIRIAC, Tiberius Dumitriu, Claudiu Moraru, Utilizarea calculatorului pas cu pas, Editura Pim, Iaşi, 2009, 320 pag. 4. Gheorghe Livinţ, Radu Gaiginschi, Vasile Horga, Radu Drosescu, Gabriel Chiriac, Mihai Albu, Marcel Răţoi, Ion Damian, Marian Petrescu, VEHICULE ELECTRICE HIBRIDE, Editura Venus, 2005, ISBN: 973-756-002-7.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. CHIRIAC G, Lucache DD, Nițucă C, Dragomir A, Ramakrishna S. Electric Bus Indoor Heat Balance in Cold Weather. Applied Sciences. 2021; 11(24):11761. Factor de Impact: 2,83. 2. Nituca, C., CHIRIAC, G., Cuciureanu, D., Dumitrescu, C., Zhang, G., Dong, H. A. N., & Plesca, A. (2019). Thermal modeling of a linear induction motor used to drive a power supply system for an electric locomotive. Thermal Science, 23(2). Factor de impact, 1.54. 3. Gabriel CHIRIAC, Thermal analysis of fuses with variable cross-section fuselinks, Electric Power Systems Research, Volume 92, November 2012, Pages 73-80, Factor de impact 1.4. 4. B. -C. Paduraru, A. Dragomir, A. Munteanu, M. Adam, S. -A. Nadabaica and G. CHIRIAC, "Analysis of the Permanent Magnets Influence on the Operation of a BLDC Motor," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 523-527. 5. A. Dragomir, M. Adam, G. CHIRIAC, D. Murgoci, A. Vîlcu and C. Niţucă, "Infrared Monitoring of Low Voltage Switch Separator Contact Resistance," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN),

Craiova, Romania, 2023, IEEE explore.
6. Niţucă, C., CHIRIAC, G., Gabor, G., Nucă, I., Cazac, V., & Burduniuc, M. (2021). Geometry design and analysis of an electric bus for the interior thermal modelling. Journal of Energy Technology, 14(2), 47-55.
7. G. CHIRIAC, D. -D. Lucache, C. Niţucă and G. Gabor, Aspects Regarding the Heating of Electric Buses, 2021 Int. Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, IEEE explore.
8. I. Nuca, Cazac V. Burduniuc M., CHIRIAC G., Nituca C. et al., "A Hybrid Charging System Design for Electric Vehicles with Autonomous Power Source," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 487-490, IEEE explore.
9. F. Lupoiu, A. -T. Pleşca, G. Gabor and G. Chiriac, "A New Solution of Electronic Device Proposed for Cereals, Vegetables and Fruits Storage," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2020, pp. 403-406.
10. G. Chiriac, C. Nituca and D. Sticea, "Electric Locomotive Laboratory Test Bench for Research and Educational Purposes," 2019 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Cluj, Romania, 2019, pp. 1-4.
11. Cardasim, M., Costică, N., Plesca, A., CHIRIAC, G., & Dumitrescu, C. (2018, October). Reliability Parameters Estimation for a Railway Catenary Power System. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 1051-1056). IEEE.
12. Chiriac, G., Nituca, C., & Cardasim, M. (2017, October). Failures analysis in the 25 kV/50 Hz railway substations. In Electromechanical and Power Systems (SIELMEN), 2017 International Conference on (pp. 407-410). IEEE.
13. Plesca, A., Niţucă, C., CHIRIAC, G., Wang, J., & Huang, X. (2018, October). Thermal Modeling and Simulations for Fast Electric Fuses. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 0920-0923). IEEE.
14. Ştefan, P., Costică, N., Gabriel, CHIRIAC., Adrian, P., Liu, Z., & Geng, Y. (2018, October). Simulating Thermal Phenomena Occurring in Fast Electric Fuses Used for Power Electronic Protection. In 2018 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 0910-0915). IEEE.
15. STICEA, Daniel; ALBU, Mihai; CHIRIAC, Gabriel. Laboratory board for studying the half- bridge power electronic converters. In: Electromechanical and Power Systems (SIELMEN), 2017 International Conference on. IEEE, 2017. p. 506-511.
16. Aparaschivei, A., CHIRIAC, G., Nituca, C., & Plesca, A. (2017, October). Analysis of a cable lug failure for a recycle compressor trip. In Electromechanical and Power Systems (SIELMEN), 2017 International Conference on (pp. 403-406). IEEE.
17. Cuciureanu, Dumitru; Nituca, Costica; CHIRIAC, Gabriel. Force Estimation of an Asymmetrical Pantograph for Different Damper Positions. Indian Journal of Science and Technology, 2016, 9.40.
18. Plesca, A., Niţucă, C., CHIRIAC, G., Wang, J., & Huang, X. (2018, October). Thermal Modeling and Simulations for Fast Electric Fuses. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE) (pp. 0920-0923). IEEE.
19. Stanciu, T., Niţucă, C., CHIRIAC, G., & Pleşca, A. (2018, October). Coherence and Continuity in the Continuing Education of Electrical and Energetic Field Teachers from the Pre-University Environment. In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE)(pp. 1057-1062). IEEE.
20. Aparaschivei, A., CHIRIAC, G., & Lucache, D. D. (2014, October). Starting of large compressor motors on a weak grid-Case study. In Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on (pp. 693-698). IEEE.

	21. Albu, M., Sticea, D., Fosalau, C., & CHIRIAC, G. (2014, October). Low-cost low-power microgrid with photovoltaic panels. InElectrical and Power Engineering (EPE), 2014 International Conference and Exposition on (pp. 941-947). IEEE. 22. CHIRIAC, G. (2013). Thermal analisys for a bilateral linear induction motor with sectioned plate armature. European Scientific Journal, ESJ, 9(21). 23. Munteanu, Claudiu; Livint, Gheorghe; Chiriac, Gabriel , Stateflow a useful tool for developing new logic algorithms. Case study: Building a state machine for windscreens. Software system Electrical and Power Engineering (EPE), 2012 International Conference and Exposition on , Iasi, Romania. 24. Chiriac, G., Cantemir, L., Niţucă, C., Stoichescu, I., Demian, D., & Gavrila, I. (2011). Solutions to reduce the electric energy consumption and the operating cost in railway transportation.Railway Pro, 1, 23-29. 25. Cantemir, Lorin; Nituca, Costica; Chiriac, Gabriel; Rachid, Ahmed, Unconventional current collection from a contact line for electric traction vehicles, PACIFIC 2011 - International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control, Conference Proceedings, December 8, 2011, Amiens, France. 26. Gh. Livint, V. Horga, M. Ratoi, M. Albu, G. CHIRIAC, Implementing the CANopen protocol for the distributed control of a hybrid electric vehicle, ELECTROMOTION 2009, The 8th International Symposium on Advanced Electromechanical Motion Systems and The EPE Chapter "Electric Drives", 1-3 July, France, 2009.
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. C. Nituca, A. Rachid, L. Cantemir, G. Chiriac, A. Gheorghiu, Constructive and experimental aspects regarding the electric power collecting for very high-speed traction, Analele Universitatii din Craiova 31 (2) (2007) 290-293. 2. D. Ioachim, D. Lucache and G. Chiriac, Load coefficient estimation for the asynchronous motor, Buletinul Institutului Politehnic Iaşi, Tomul LII (LVI), Fasc. 5, 2006, ISSN 1223-8139, Electrotehnică, Energetică, Electronică, pp. 1482-1489, Ed. Universităţii Tehnice Gh. Asachi Iaşi. 3. Lorin Cantemir, Panait Adrian Alexandrescu, Gabriel Chiriac, Conservative principle of the induction state maintain, Buletinul Institutului Politehnic Iaşi, Tomul LII (LVI), Fasc. 5, 2006, ISSN 1223-8139, Electrotehnică, Energetică, Electronică, pp. 215-220, Editura Universităţii Tehnice Gh. Asachi Iaşi. 4. Livint Gh.,G. Chiriac, and G. Horga, Aspects regarding the design of the electric drives for the electric vehicles, Buletinul Institutului Politehnic Iaşi, Tomul LII (LVI), Fasc. 5, 2006, ISSN 1223- 8139, Electrotehnică, Energetică, Electronică, pp. 545-552, Editura Universităţii Tehnice Gh. Asachi Iaşi. 5. G. Chiriac, L. Cantemir and C. Niţucă , Correction of the calculus for the total running resistances of the trains, Buletinul Institutului Politehnic Iaşi, TOMUL L (LIV), fasc. 5, 2004, ISSN: 1223- 8139Electrotehnică, Energetică, Electronică, pp. 1119-1124, Editura Universităţii Tehnice Gh. Asachi Iaşi 6. C. Nituca, L. Cantemir, G. Chiriac, A. Gheorghiu, Aspects regarding the influence of the temperature range over the contact line, Buletinul Institutului Politehnic Ias ¸I, L (LIV), Fasc 5 (2004) 1165-1170. 7. Aparaschivei A., Cantemir L.,Chiriac G., Some consideration regarding electromagnetic differential with one stator two disk rotors and ring windings, Bul.Institutului Politehnic Iaşi, tomul l (liv), fasc. 5, 2004, Electrotehnică, Energetică, Electronică, pp. 1185-1191 8. D. Ioachim, D. Lucache, M.Nemescu and G. Chiriac, Variant for an electromagnetic ballast for duo-type mounting, Buletinul Institutului Politehnic Iaşi, tomul l (liv), fasc. 5, 2004, Electrotehnică, Energetică, Electronică, 1405-1408 9. G. Chiriac, L. Cantemir and C. Niţucă, Correction of the calculus for the total running resistances of the trains, Buletinul Institutului Politehnic Iaşi, TOMUL L (LIV), fasc. 5, 2004, ISSN: 1223-8139 Electrotehnică, Energetică, Electronică,

	pp. 1119-1124, Editura Universităţii Tehnice Gh. Asachi Iaşi 10. Niţucă C., Cantemir L., Gheorhgiu A., Chiriac G., "Pantograph drived with a linear induction motor controlled with adaptive fuzzy control", The 4th International Conference on Electromechanical and power systems SIELMEN 2003, Vol III, pg. 55-58, Chişinău 26-27 september 2003. 11. G. Chiriac and L. Cantemir, Predetermination of the traction characteristics for the D.C. series motors, Buletinul Institutului Politehnic din Iaşi, tomul XLVIII (LII), Fasc 5C, EPE 2002, Iaşi, pp. 261-266. 12. L. Cantemir, P. Oprişanu, G. Chiriac and G. Chiric, The wind potential on the east side of Romania, Buletinul Institutului Politehnic din Iaşi, tomul XLVIII (LII), Fasc 5C, EPE 2002, Iaşi, pp. 307-312. 13. C. Nituca, L. Cantemir, G. Chiriac and A. Aparaschivei, Considerations regarding the influence of the inertia of the pantograph head into the interaction pantograph-catenary, Buletinul Institutului Politehnic din Iaşi, tomul XLVIII (LII), Fasc 5C, EPE 2002, Iaşi, pp. 287- 292. 14. C. Nituca, L. Cantemir, G. Chiriac and G. Chiric, The modeling and the simulation of the pantograph-catenary interaction, Buletinul Institutului Politehnic din Iaşi, tomul XLVIII (LII), Fasc 5C, EPE 2002, Iaşi, pp.293-298. 15. Chiriac G., Cantemir L., Ionescu D., Niţucă C.,The modelling of the acceleration for a vehicle with D.C. series motors, Buletinul Institutului Politehnic din Iaşi, tomul XLVI (l), Fasc 5, A X-a Conferinţă Naţională de Acţionări Electrice CNAE 2000, 12-13 octombrie, Iaşi, pp. 230- 235. 16. Ionescu D., Cantemir L., Chiriac G., Aparaschivei A., Utilisation of the kinetic energyof the V2A vehicle for auxiliary service, Buletinul Institutului Politehnic din Iaşi, tomul XLVI (l), Fasc 5, A X-a Conferinţă Naţională de Acţionări Electrice CNAE 2000, 12-13 octombrie, Iaşi, pp. 256-259. 17. Ionescu D., Cantemir L., Chiriac G., Travel resistance establishing at the Tatra tramway. Bul. Inst. Polit. Iaşi, Tomul XLV (IL), Fasc. 5, 1999, p. 75-78.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Aparaschivei, A., Chiriac, G., Nituca, C., Plesca, A. (2017, October). Analysis of a cable lug failure for a recycle compressor trip. In Electromechanical and Power Systems (SIELMEN), 2017 International Conference on (pp. 403-406). IEEE. 2. CHIRIAC, Gabriel; Nituca, Costica; Cardasim, Maricel. Failures analysis in the 25 kV/50 Hz railway substations. In:Electromechanical and Power Systems (SIELMEN), 2017 International Conference on. IEEE, 2017. p. 407-410. 3. CHIRIAC, Gabriel, et al. Analysis of hot-spots effects on the performances of a photovoltaic system used in Romania. In:Electromechanical and Power Systems (SIELMEN), 2017 International Conference on. IEEE, 2017. p. 239-244. 4. Albu, M., Sticea, D., Fosalau, C., Chiriac, G. (2014, October). Low-cost low-power microgrid with photovoltaic panels. InElectrical and Power Engineering (EPE), 2014 International Conference and Exposition on (pp. 941-947). IEEE. 5. Costică Niţucă, Lorin Cantemir and Gabriel Chiriac, Aspects on the influence of the environment over the contact line, Railway Pro Science & Technology, Technical scientific colloquium, Railway infrastructure development policies, projects and technologies, February 22-23, 2012, Sibiu, pp. 23-26. ISSN 2284-7057. 6. Lucache, D.D.; Chiriac, G.; Ioachim, D., Quick estimation of the electric efficiency and power factor for crucible induction furnaces , Optimization of Electrical and Electronic Equipment (OPTIM), 2012 13th International Conference, 2012 , Page(s): 95 - 102 , Digital Object Identifier: 10.1109/OPTIM.2012.6231947 , Database: Compendex 7. Cantemir, Lorin; Nituca, Costica; Chiriac, Gabriel; Rachid, Ahmed, Unconventional current collection from a contact line for electric traction vehicles, PACIFIC 2011 - International Conference on: Pantograph-Catenary Interaction Framework for Intelligent Control, Conference Proceedings, December 8, 2011, Amiens, France.

8. Livint, G., Horga, V., Ratoi, M., Albu, M., Chiriac, G. (2009, July). Implementing the CANopen protocol for the distributed control of a hybrid electric vehicle. In Advanced Electromechanical Motion Systems & Electric Drives Joint Symposium, 2009. ELECTROMOTION 2009. 8th International Symposium on (pp. 1-6). IEEE.
9. C. Nițucă, L. Cantemir, G. Chiriac and A. Gheorghiu, Aspects Regarding the influence of precipitations settlement on the contact line, 5th Int. Conf. on electromechanical and power systems, Sielmen 2005, oct.6-8, 2005, Chisinau, Rep. Moldova.
10. Adrian I. Aparaschivei, Gabriel Chiriac, Electric Differential Overview, 5th International Conference onelectromechanical and power systems, Sielmen 2005, october 6-8, 2005, Chisinau, Rep. Moldova.
11. Gabriel Chiriac, Gheorghe Livint , Batteries Models Used In Simulations Of The Hybrid Electric Vehicles , 5th International Conference onelectromechanical and power systems, Sielmen 2005, october 6-8, 2005, Chisinau, Rep. Moldova.
12. G. Livint, R. Drosescu, G. Chiriac and I. Damian, Modeling the dinamic behaviour of the parallel Hybrid electric vehicles, 5th International Conference on electromechanical and power systems, Sielmen 2005, oct. 6-8, 2005, Chisinau, Rep. Moldova.
13. Gh. Livint, G. Chiriac, D. Lucache, I. Damian, Aspects Regarding The Hybrid Electric Vehicles Architecture And The Management Strategy For The Energy Flow, The 4th International Conference on the management of technological Changes, Chania, Greece, August 19-20, 2005.
14. Gheorghe Livint, Gabriel Chiriac, Dorin Lucache, Vasile Horga, Ioan Damian,The Optimization Of Duty Hybrid Electric Vehicles Using The Artificial Intelligence, 7th International Conference in Modern Electric traction in Integrated XX1st Century Europe, Warsaw, Poland, September 29 – October 1, 2005.
15. Cantemir L., Chiriac G., Ionescu D., Some principles problems concerning the electromechanical drive, Proceedings of the 9th National Conference on Electrical Drive, University of Craiova, October 8-9, 1998, Craiova, pp. 13-18.
16. Chiriac G., Cantemir L., Transportul urban în România. Probleme şi perspective. Proceedings of The 26th Annual Congress of the American Romanian Academy of Arts and Sciencies, ARA 2001, July 25-29, Montreal, Polytechnic Int. Press, pp. 288-291.
17. Cantemir L., Diaconescu A., Chiriac G., Diaconescu G., Relativa romanizare a Daciei Felix, Proc.of The 26th Annual Congress of the American Romanian Academy of Arts and Sciencies, ARA 2001, July 25-29, Montreal, Polytechnic International Press, pp. 89-94.
18. Chiriac G., Cantemir L., Importanţa rezistenţelor aerului pentru trenurile de călători, A treia Conferinţă Internaţională de Sisteme Electromecanice şi Energetice Sielmen 2001, 4-6 octombrie, Chişinău, vol. 1, pp. 219-223.
19. Ilinca M., Chiriac G., Dimitriu T., Ilinca R., Formarea continuă a inginerilor în domeniul tehnologiei informaţiilor, A treia Conferinţă Internaţională de Sisteme Electromecanice şi Energetice, Sielmen 2001, 4-6 octombrie, Chişinău, vol.2.
20. Carcea M., Cantemir L., Ilinca M., Iftimie N., Chiriac G., Modul de activare a creativităţii studenţilor şi consideraţii asupra invenţiilor elaborate, A treia Conferinţă Internaţională de Sisteme Electromecanice şi Energetice Sielmen 2001, 4-6 octombrie, Chişinău, vol. 2.
21. Cantemir L., Carcea M., Iftimie N., Chiriac G., Self-awareness in the process of technical creation, The 4th International Conference on Quality, Reliability and Maintenance, QRM 2002, 21st-22nd March, Oxford, pp. 283-286.
22. C. Nituca, L. Cantemir, G. Chiriac and A. Aparaschivei, Unele aspecte privind viteza critică pentru sistemul de captare pantograf-catenară, Sisteme expert de asigurare a calităţii totale în industria de materiale şi echipamente electrotehnice, vol. I, Iaşi, 2002, pp. 117-122.
23. Gabriel Chiriac, Lorin Cantemir, Marcel Ghercă, Costică Nițucă, Modeling the movement of a vehicle drived by D.C.

	series motors in view of energy consumption analysis, The 4th International Conference on Electromechanical and power systems, vol. III, 26th – 27th september, Chisinau, 2003, pp. 35-38. 24. Gabriel Chiriac, Lorin Cantemir, Costică Nițucă, Movement simulations and energy aspects for vehicle drived with d.c. series motors, The 4th Int. Conf.on Electromechanical and power systems, vol. III, 26th – 27th september, Chisinau, 2003, pp. 39-42. 25. Gabriel Chiriac, Lorin Cantemir, Costică Nițucă, Energy consumption for the air drag for the uncover freight waggon, The 4th International Conference on Electromechanical and power systems, vol. III, 26th – 27th september, Chisinau, 2003, pp. 43-46. 26. C. Nițucă, L. Cantemir, Alina Gheorghiu and Gabriel Chiriac, Modeling and simulation of the interaction pantograph-catenary, The 4th Int. Conf. on Electromechanical and power systems, vol. III, 26th – 27th sept., Chisinau, 2003, pp. 47-50. 27. Panait Adrian Alexandrescu, Lorin Cantemir and Gabriel Chiriac , Some problems regarding the linear induction micromotors, 5th Int. Conf.on Electromechanical and Power Systems, Sielmen 2005, October 6-8, 2005, Chisinau, Rep. Moldova. 28. Chiriac G., Cantemir L., Poboroniuc M., Determinarea caracteristicilor de magnetizare pentru motoarele serie de c.c. a locomotivelor electrice şi diesel-electrice C.F.R., Conferinţa Naţională de Energetică, CNE-M 2000, 19-21 oct., Chişinău, vol. 2, pp. 19-22. 29. Chiriac G., Le dimensionnement sous contraintes d' un hacheur série, Bulletin Informatif du project PEC 12018-97, No2., Perspectives d'Utilisation Rationnelle de l'Energie, Universitatea ,,Politehnică" Bucureşti, 2000. 30. Ionescu D., Cantemir L., Chiriac G., Determinarea rezistenţelor la mers la tramvaiul V2A, A Doua Conferinţă Internaţională de Sisteme Electromecanice Sielmen 1999, 8-9 octombrie, Chişinău, vol. 3, pp. 174-177. 31. Ionescu D., Cantemir L., Chiriac G., Problems concerning energy losses in the electrical traction system of citz of Iassy, Proceedings of the 9th National Conference on Electrical Drive, University of Craiova, October 8-9, 1998, Craiova, pp. 333-336. 32. Cantemir L., Chiriac G., Problematica transportului urban în România, Prima Conferinţă Int.de Sisteme Electromecanice Sielmen 1997, 16-18 oct., Chişinău, vol. 1, pp. 174-177.
	Invenții și brevete (punctul J din Anexa A.3.7)
	1. Cantemir Lorin, Rachid Ahmed, Bârbinţă Constantin Ioan, CHIRIAC GABRIEL, Alexandrescu Panait Adrian, Nițucă Costică, Echipament de acţionare electromagnetică a unui culegător de curent de tip pantograf, a 2011 00824, , RO 128199 B1/2018.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director proiect, Granturi interne - Idei de proiect, Universitatea Tehnică "Gheorghe Asachi" din Iaşi (TUIASI), GI /P 9_IDEI /2021. New concept on energy efficiency heating system for the passenger thermal comfort in the electric buses / Thermal-e-Bus, 2021. 2. Improving the cross-border public transportation using electric buses supplied with renewable energy, ELBUS, cod 2SOFT/3.1/54, financed by the European Neighbourhood Instrument (ENI), Cross Border Cooperation (CBC) by Joint Operational Programme Romania - Republic of Moldova, 2020-2021. Coordonotar C. Nițucă. Membru în proiect. 3. The experimental study on overload current arc characteristics of DC electric fuse. PN-III-P3-3.1- PM-RO-CN-2018-0060. Partner: Xi'an Jiaotong University, Department of Electrical Engineering, Xi'an, China. 02.07.2018 – 31.12.2019. Coordonotar C. Nițucă. Membru în proiect.

	4. „Modelling and simulation of the current limiting fuses”, Capacities, Module III, Bilateral Research Project China - Romania, Contract no. 610/01.01.2013. Coordonator Adrian Pleșca, Membru în proiect. 5. Cercetări privind utilizarea inteligenţei artificiale pentru controlul comanda şi optimizarea regimurilor de funcţionare ale vehiculelor hibride, tema 33 cod cncsis 528, contract 27637/14.03.2005, Coordonator Gh. Livinț, Membru în proiect. 6. Algoritmi evoluaţi de control în timp real pentru opttimizarea vehiculelor hibride, X2C28/08.09.2006-2008, Coordonator Gh. Livinț, Membru în proiect.
	Premii, distincţii
	1. Premiu CNCS, Premierea rezultatelor cercetării, articole Web of Science, competiția 2023, Electric bus indoor heat balance in cold weather, G. CHIRIAC, D.D. Lucache, C. Nițucă, A. Dragomir, S. Ramakrishna, Applied sciences 11 (24), 11761. 2. Premiu CNCS: Competitia 2012_Premierea rezultatelor cercetarii - articole. Premiere pentru articolul cu titlul "Thermal analysis of fuses with variable cross-section fuselinks." Project Registration Code: PN-II-RU-PRECISI-2012-6-1433. 3. Medalia de Aur la The XV-th Int. Exhibition of Research, Innovation and Tehncological Transfer INVENTICA 2011, Iasi, Romania, pentru lucrarea A new type of electric generator, Autori: Cantemir L., Nituca C., Chiriac G., Alexandrescu P., Cuciureanu D.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Dudeanu Mihaela Iuliana **Lector. univ. dr.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Dudeanu, Mihaela Iuliana, J.-M. G. Le Clézio et ses personnages atteints de folie. Les Cahiers Linguatek, v. 15-16 (8), 2024, pp 241-250, ISSN : 2559-7752. 2. Dudeanu, Mihaela Iuliana, J.-M. G. Le Clézio et ses personnages solitaires. Les Cahiers Linguatek, v. 13-14 (7), 2023, pp 84-100, ISSN : 2559-7752. https://www.ceeol.com/search/article-detail? id=1197512 3. Dudeanu, Mihaela Iuliana, Ideologie, Redewendungen, Sprachformen und Lebensmodus in den kommunistischen Jahren Rumäniens. Buletinul Institutului Politehnic din Iași, v. 67(71), Secția Științe Socio-Umane, 2021, pp 53-70, ISSN: 2501-8760. https://dppd.tuiasi.ro/wp-content/ uploads/2022/01/Vol.-SSU-1-2-din-2021.pdf 4. Dudeanu, Mihaela Iuliana, Mémoire de la guerre dans l’œuvre de Jean-Marie Gustave Le Clézio. Les Cahiers Linguatek, v. 9-10 (5), 2021, pp 129-140, ISSN : 2559-7752. https://www.ceeol.com/ search/journal-detail?id=2476
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Dudeanu, Mihaela Iuliana, Le rôle du français sous la plume de J.-M. G. Le Clézio, „Congresul European al Federației Internaționale a Profesorilor de Franceză, ed. a 4-a”, București, pp 384-398 2. Dudeanu, Mihaela Iuliana, La "géographie" des textes lecléziens, Autour et à travers, Ed. Politehnium, Iași, pp 155-164, 2022 3. Marari, Mihaela Iuliana, Elementary existence and fundamental elements in Désert by J. M. G. Le Clézio, "Literature,

	Discourses and the power of multicultural dialogue 5", Târgu-Mureș, pp 643-650, 2017 4. Marari, Mihaela Iuliana, Les Roumains et Le Clézio ou Le Clézio et les Roumains, « Francophonie et curiosité(s) », Iasi, pp 247-259, 2016 5. Marari, Mihaela Iuliana, Aspecte personale și rolul lor în evoluția operei lecléziene, „$coala internațională de metodologie în Științele socio-umane", Chișinău, pp 314-326, 2015 6. Marari, Mihaela Iuliana, L'écriture leclézienne : entre autobiographique et biographique, „Univers des arts — univers de la famille : interférences et divergences", Cluj Napoca, pp 139- 151, 2014 7. Marari, Mihaela Iuliana, La création leclézienne : carrefour de plusieurs milieux culturels et linguistiques, « Le français de la Francophonie : altérité intime, identité plurielle », Iasi, 2014 8. Marari, Mihaela Iuliana, Water: Fundamental Element of Le Clézio's Poetics. Occurrences and Significations of the Aquatic Element in Desert and Onitsha, "Literature, Discourse and Multicultural Dialogue 2", Târgu-Mureș, 4pp 1063-1067, 2014 9. Marari, Mihaela Iuliana, The Leclézien Character: Medium of Openness Towards Otherness / Alterity, "Globalization, Intercultural dialogue and national identity", Târgu-Mureș, pp 879-885, 2014 10. Marari, Mihaela Iuliana, Connaissance de l'Autre à travers une meilleure connaissance de soi, « Le recyclage culturel entre parasitisme, atrophie de l'imaginaire et Invention seconde », Iasi, pp 104-113, 2013 11. Marari, Mihaela Iuliana, Expériences identitaires dans Désert et Gens des nuages de J.M.G. Le Clézio, « Espaces et quête identitaire dans le roman français actuel », Cluj Napoca, pp 104-116, 2012 12. Marari, Mihaela Iuliana, L'univers du langage dans Maria Chapdelaine de Louis Hémon, « La Francophonie (…) problématique(s), Iași, pp 229-238, 2012
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Hariton D. Anamaria **Sef lucr. dr. ing.**	**Cărţi publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Anamaria Hariton, Cristian Zet and Cristian Foșalău Distortion Analysis for Programmable Analog Signals Generated Using FPGA, Bulletin of the Polytechnic Institute of Iasi, Vol. 68 (72), No. 1 2022, pp.49-65, 17 pg. 2. Monica Sălcianu, Anamaria Hariton and Cristian Zet, A Led Matrix Manager Sniffer, Bulletin of the Polytechnic Institute of Iasi, Vol. 68 (72), No. 2 2022, pp.9-20, 12 pg. 3. Sălcianu M., Foşalău C, Hariton A.,Simulation of an intelligent-adaptive front- lighting system, Bul. Inst. Polit. Iaşi, t. LVII (LXI), f.5, 2011, pp. 79-91, 13 pg. 4. Sălcianu M., Foşalău C, Hariton A., A new CAN simulator for a rain sensing system using Labview, Bul. Inst. Polit.

	Iaşi, t. LVII (LXI), f.5, 2011, pp. 69-78, 9 pg. 5. Hariton A., Niţă L., Creţu M., Sălcianu M., Outer gate automation using microcontrollers and radio frequency communication, Bul. Inst. Polit. Iasi, t. LVII (LXI),f. 4, 2011, pp. 119-128, 10 pg. 6. Hariton A., Creţu M., Niţă L., Sălcianu M., Database security on remote patient monitoring system, Bul. Inst. Polit. Iasi, t. LVII (LXI), f. 4, 2011, pp. 129-138, 9 pg.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Cristian Zet, Cristian Fosalau, Anamaria Hariton, Automated INL and DNL Testing System as a Didactic Laboratory Application, 13th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2023, 5 pg. 2. Cristian Zet, Cristian Fosalau,Anamaria Hariton, Gabriel Constantin Sarbu, Improved Distance Measurement Using Ultrasonic Sensors – SIELMEN 2023 3. Cristian Zet, Cristian Foşalău, Anamaria Hariton, Study on the possibilities of detecting recyclable waste using the dielectric properties of materials, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 6, 2021, pp. 444-447, 4 pg. 4. Anamaria Hariton, Cristian Zet, Emil Vremera, Cristian Fosalau, Remote Laboratory - Study of Digital Oscilloscope, 11th International Conference and Exposition of Electrical and Power Engineering (EPE2020), Iaşi, October 22-23, 2020, pp. 495-500, 6 pg. 5. Cristian Fosalau, Cristian Zet, Anamaria Hariton, Using Kalman Filters for Increasing Accuracy of Distance Measurement Using a Single Camera, 11th International Conference and Exposition of Electrical and Power Engineering, Iaşi (EPE2020), October 22-23, 2020, pp. 575-581, 7 pg. 6. Cristian Zet, Cristian Fosalau, Anamaria Hariton, Generating Programmable Waveform using FPGA, 11th International Conference and Exposition of Electrical and Power Engineering (EPE2020), Iaşi, October 22-23, 2020, pp. 704-708, 5 pg. 7. Hariton A., Niţă L., Creţu M., A web application for blood glucose monitoring using the iPhone advantages, Proceedings of the 7th Conference on Electrical and Power Engineering EPE2012, Iaşi, October 25-27, 2012, pp. 505-508, 4 pg. 8. Niţă L., Hariton A., Clinician application for diabetic patients monitoring, Proceedings of the 7th Conference on Electrical and Power Engineering EPE2012, Iaşi, October 25-27, 2012, pp. 529-534, 6 pg. 9. Niţă L., Creţu M., Hariton A., System for remote patient monitoring and data collection with applicability on e-Health applications, The International Conference Advanced Topics in Electrical Engineering ATEE 2011, Bucureşti, May 12-14, 2011, pp. 561-564, 4 pg. 10. Hariton A., Niţă L., Creţu M., E-mulitask Server in virtual laboratory applications, Proceedings of the Conference IMEKO TC4 2010, Kosice, Slovacia, September 8- 10,2010, pp. 293-297, 5 pg. 11. Hariton A., Niţă L., Creţu M., Sălcianu M., Microcontrollers and radio communication system, Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, Iaşi, October 28-30, 2010, pp. 89-92, 4 pg. 12. Hariton A., Niţă L., Creţu M., Sălcianu M., Patient telemonitoring application for diabetes, Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, Iaşi, October 28-30, 2010, pp. 131-134, 4 pg. 13. Sălcianu M., Foşalău C, Hariton A., A digital library for building a controller area network software driver, Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, Iași, October 28-30, 2010, vol.II, pp. 277-280, 4 pg.

	14. Sălcianu M., Foşalău C, Hariton A., Packaging data transmitted on the controller area network, Proceedings of the 6th Conference on Electrical and Power Engineering EPE2010, Iași, October 28-30, 2010, vol.II, pp. 281-283, 3 pg.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Ignătescu-Manea Irina **Lector. univ. dr.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Andrei Slonovschi, Liviu Prună, Irina IGNĂTESCU-MANEA, Ioana-Roxana Baciu Infografică. Autocad. Comenzi ce permit modificarea proprietăților obiectelor. Comenzi, setări și stiluri de cotare. Cotarea desenelor tehnice. Comenzi de interogare. Comenzi ce permit crearea contururilor închise. Editura Pim, Iași, 2024, ISBN 978-606-13-8168-5
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Irina IGNĂTESCU MANEA, ”A PRACTICAL STUDY ON THE SURFACES OCCUPIED BY SANITARY FIXTURES IN THE BATHROOM”, JIDEG vol. 19 No. 2 (2024): ISSUE 2, 2024, pg. 19-28 2. Irina IGNĂTESCU MANEA, Vanda-Ligia DĂNĂILĂ, „STUDY ON IMPROVING THE TEACHING METHODS OF GRAPHIC DISCIPLINES AFTER THE PANDEMIC”, JIDEG vol. 19, ISSUE 1, 2024, pg. 251-256 3. Vanda-Ligia DĂNĂILĂ, Irina IGNĂTESCU MANEA, „INFLUENCE OF PARAMETERS OF THE ELECTRO-HYDRAULIC DEFORMING EQUIPMENT ON THE GEOMETRIC CHARACTERISTICS OF WORKPIECE”, JIDEG vol. 19, ISSUE 1, 2024, pg. 45-48 4. Oana NECULAI, Irina IGNĂTESCU-MANEA, Ana-Maria TOMA, Liliana BODESCU „HYPERBOLIC SUSPENDED GREENHOUSES”, JIDEG vol. 17, ISSUE 2, 2022, pg. 65-68 5. Ana-Maria TOMA, Irina IGNĂTESCU MANEA, Oana NECULAI “AUTOCAD CAN BE FUN!”, JIDEG vol. 17, ISSUE 2, 2022, pg. 61-64
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Irina IGNĂTESCU MANEA, Oana NECULAI, Ana-Maria TOMA, „A STUDY ABOUT BUILDING A GARDEN INSIDE A KINDERGARTEN”, 9th InternationalConference on Engineering Graphics and Design 2024, JIDEG vol. 19, ISSUE 1, 2024, pg. 213-218, June 14-15, 2024, Cluj-Napoca 2. Ana-Maria TOMA, Irina IGNĂTESCU MANEA, Oana NECULAI, „METHODSOF GENERATING AUTOCAD 3D SECTIONS”, 9th International Conference on Engineering Graphics and Design 2024, JIDEG vol. 19, ISSUE 1, 2024, pg. 121-124,June 14-15, 2024, Cluj-Napoca
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Nacu, C. Ionuț **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. B. Virlan, A. Munteanu, L. Livadaru, A. Bobu, I. I. Nacu, A. Simion, "Dual Rotor Radial Flux Concentrated Wound Permanent Magnet Synchronous Machine with High Power Density," Advances in Electrical and Computer Engineering, vol.23, no.4, pp.41-50, 2023, doi:10.4316/AECE.2023.04005 2. Simion, A. Munteanu, L. Livadaru, I. Nacu, Comparative Study of the Operating Characteristics of a Hybrid Synchronous Generator With Wye or Delta Connection, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 423 -428, ISSN 1223-8139 - 2006 3. I. Nacu, Al. Simion, A. Munteanu, Electric Discharges Influence on the Magnetic Properties of the Bearings Componetnts Used in Electric Machines, Bul. Inst. Polit. Iaşi, tom LII(LVI), S. Electrot., Energ., Electronică, fasc.5A, 2006, pp. 377 -382, ISSN 1223-8139 - 2006 4. Al. Simion, A. Munteanu, I. Nacu, Aspects Regarding the Performance of Using Hybrid Synchronous Generators that Operate between Large Limits of Speed, Bul. Inst. Polit. Iaşi, tom LI(LV), S. Electrot., Energ., Electronică, fasc.5, 2005, pp. 131 -138, ISSN 1223-8139 - 2005
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. A. Vîlcu, M. Pîslaru, I. Nacu, B. Vîrlan, Ş. E. Moşneguţu and I. V. Herghiligiu, "Design of a Single-Phase Asynchronous Motor Prototype by Overlaying the Value Analysis Method on Dynamic Simulation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 670- 675, doi: 10.1109/EPEi63510.2024.10758111 2. I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, "A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090 3. B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, "A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116 4. M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM)," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 547-550, doi: 10.1109/EPEi63510.2024.10758153 5. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. Simion, "Numerical Analysis of a Fractional Slot

Concentrated Winding Synchronous Machine with Series Hybrid Excitation," 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 199-202, doi: 10.1109/EPEi63510.2024.10758173

6. B. Virlan, L. Livadaru, A. Munteanu, I. Nacu, I. Nastas and A. Simion, "Comparative Analysis Between Distributed and Fractional Slot Concentrated Winding of a Wound Rotor Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290796.

7. L. Livadaru, B. Virlan, A. Munteanu, I. Nacu, A. Simion and I. Nastas, "Magnetic Circuit Segmentation Effects on Fractional Slot Concentrated Winding Synchronous Machine with Grain Oriented Electric Steel," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4, doi: 10.1109/SIELMEN59038.2023.10290784.

8. I. Nastas, B. Virlan, A. Munteanu, A. Simion, L. Livadaru and I. Nacu, "A Study of a Fractional Slot Concentrated Wound Permanent Magnet Synchronous Motor with Grain Oriented Electric Steel Lamination for Modular Stator Geometry," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-5, doi: 10.1109/SIELMEN59038.2023.10290811.

9. A. Munteanu, B. Virlan, L. Livadaru, I. Nacu, I. Nastas and A. -M. Dumitrescu, "Numerical Analysis and Experimental Validation of a Series Hybrid Excitation Synchronous Machine," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-6, doi: 10.1109/SIELMEN59038.2023.10290755.

10. A.Vîlcu, I. Nacu, B. Vîrlan, I-V. Herghelegiu, S. Lupăcescu, A. Dragomir," Incremental Innovation Methodology that Combines Computerized Modelling and Simulation with Value Analysis and Engeneering Method" – BIPI Vol. 68 (72), Nr. 4, pp.27-43, 2023, DOI:10.2478/bipie-2022-0020

11. Nastas Ion; Munteanu Adrian; Vîrlan Bogdan; Simion Alecsandru; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Fractional Slot Concentrated Wound Permanent Magnet Synchronous Machines with Different Stator Grain Oriented Electric Steel Lamination Topologies,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),,605-609

12. Virlan Bogdan; Simion Alecsandru; Munteanu Adrian; Livadaru Leonard; Nacu Ionut, Comparative Analysis of Distributed Winding and Fractional Slot Winding on High Power Synchronous Hydro-Generators,2022 International Conference and Exposition on Electrical And Power Engineering (EPE),388-392

13. V. Bogdan, M. Adrian, L. Leonard, B. Alexandra, S. Alecsandru and N. Ionut, "Design and Optimization of a BLDC Motor for Small Power Vehicles," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 438-443, doi: 10.1109/SIELMEN53755.2021.9600327.

14. A. Munteanu, I. Nastas, A. Simion, L. Livadaru, B. Virlan and I. Nacu, "A New Topology of Fractional-Slot ConcentratedWound Permanent Magnet Synchronous Motor with Grain-Oriented Electric Steel for Stator Laminations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 349- 352, doi: 10.1109/SIELMEN53755.2021.9600382.

15. A. Munteanu, A. Bobu, L. Livadaru, B. Vîrlan and I. Nacu, "Study of a Fractional Slot Concentrated Winding Double Rotor Permanent Magnet Synchronous Motor for In-Wheel Direct-Drive Applications," 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 360-364, doi: 10.1109/EPE50722.2020.9305661.

16. V. Bogdan, M. Adrian, N. Ionut, P. Adrian-Cosmin and D. Mihai-Catalin, "Comparative Analysis of Two Permanent

Magnet Fractional Slots Synchronous Generators with Different Number of Phases 15 slots /16 magnets three-phase generator to 15 slots/18 magnets five-phase generator" 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 525-529, doi: 10.1109/EPE50722.2020.9305537

17. L. Livadaru, B. Vîrlan, A. Munteanu, A. Bobu, I. Nacu and A. Simion, "Outer Rotor PM Synchronous Generator for Household Wind Power Generation Comparative study upon structural solution," 2019 International Conference onElectromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2019, pp. 1-6, doi: 10.1109/SIELMEN.2019.8905869.

18. I. Nacu, A. Munteanu, H. Heireche, B. Virlan and B. Anghel, "Thermal Analysis of a Low Speed Permanent Magnet Synchronous Generator for Wind Turbine Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0906-0909; DOI: 10.1109/ICEPE.2018.8559756

19. B. Vîrlan, A. Simion, A. Munteanu, I. Nacu and L. Livadaru, "Fractional Slot Permanent Magnet Synchronous Generator for Vertical Axis Wind Turbines," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0987-0991; DOI: 10.1109/ICEPE.2018.8559650

20. A. Munteanu, L. Livadaru, B. Virlan, A. Simion and I. Nacu, "Magnetic Circuit Segmentation Effect on a Permanent Magnet Fractional Slot Synchronous Generator," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0797-0801; DOI: 10.1109/ICEPE.2018.8559638

21. A. Munteanu, A. Bobu, L. Livadaru, B. Virlan and I. Nacu, "Low Speed Permanent Magnet Synchronous Generator for Wind Turbines Applications," 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, 2018, pp. 0802-0805.DOI: 10.1109/ICEPE.2018.8559640

22. Bogdan Virlan, Adrian Munteanu, Leonard Livadaru, Alecsandru Simion, Ionut Nacu, Pole Magnets Segmentation Effect on Permanent Magnet Synchronous Generators" 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), 11 October 2017 Iasi / 12-13 October 2017, Chisinau, pp. 171-176, 978-1-5386-1846-2/17/$31.00 ©2017 IEEE; DOI: 10.1109/SIELMEN.2017.8123318

23. Nacu I., Simion, Al., Racocea Cristina, Racocea C. – Possibilities of Determinating the Equivalent Diagrams Parameters of Ball Bearings Subjected to Electric Discharges, Conferinţa Prasic '06, Braşov, 2006, vol. II, pp.139-144, ISBN (10)973-635-825-9

24. Nacu, I., Simion, Al., Racocea, C., Racocea Cristina – The Equivalent Diagrams of Ball Bearings Subjected to Electric Discharges, Buletinul Institutului Politehnic din Iaşi, tomul LII (LVI), fasc. 5, 2006, pp. 383-388

25. Nacu, I., Simion, Al., Munteanu, A. – Electric Discharges Influence on the Magnetic Properties of the Bearing Components Used in Electric Machines, Buletinul Institutului Politehnic din Iaşi, tomul LII (LVI), fasc. 5, 2006, pp. 377-382

26. Nacu, I., Simion, Al., Racocea, C., Racocea Cristina – Research on the Effects of Electrical Discharges through Roller Bearings, part I, Scientific Bulletin of North University of Baia-Mare, serie C, vol. XX, fasc. Mechanics, Tribology, Machine Manufacturing Technology, 2006, pp. 273-278

27. Nacu, I., Simion, Al., Racocea, C., Racocea Cristina – Research on the Effects of Electrical Discharges Through Roller Bearings, part II: Experimental Test Results, Scientific Bulletin of North University of Baia-Mare, serie C, vol. XX, fasc. Mechanics, Tribology, Machine Manufacturing Technology, 2006, pp. 279-284

28. Simion, Al., Munteanu, A., Livadaru, L., Nacu, I. – Comparative Study of the Operating Characteristics of the Hybrid Synchronous Generator with Wye or Delta Connection, Buletinul Institutului Politehnic din Iaşi, tomul LII (LVI), fasc. 5, 2006, pp. 423-428

	29. Cojan, Margareta, Livadaru, L., Simion, Al, Nacu, I. – On the Evaluation of the Thermal Constants of the Induction Machine under Real Conditions of Operation, Buletinul Institutului Politehnic din Iaşi, tomul LII (LVI), fasc. 5, 2006, pp. 239-244 30. Racocea, Cristina, Marin, Gh., Racocea, C., Nacu, I. – Capacitive Electric Discharges through Ball Bearings. Tests and Preliminary Results, Buletinul Institutului Politehnic din Iaşi, tomul LII (LVI), fasc. 6A, 2006; 31. Nacu, I., Simion, Al., Racocea, C. – Aspects Regarding the Influence of Electric Currents upon Bearings Behavior, Buletinul Institutului Politehnic din Iaşi, tomul LI(LV), fasc.5, 2005, pp. 187-194 32. Simion, Al., Anghel, B., Livadaru, L., Nacu, I. – Considerations on the Operation of a Generating Set with Induction Motor and Self-Excited Synchronous Generator Connected to a Constant Frequency Grid, Buletinul Institutului Politehnic din Iaşi, tomul LI (LV), fasc. 5, 2005, pp. 153-160 33. Simion, Al., Munteanu, A., Nacu, I. – Aspectcs Regrading of Hybrid Synchronous Generators that Operate between Large Limits of Speed, Buletinul Institutului Politehnic din Iaşi, tomul LI (LV), fasc. 5, 2005, pp. 131-138 34. Racocea, Cristina, Racocea, C., Nacu, I. – Angular Contact Ball Bearings Passed by Electric Current, Scientific Bulletin of North University of Baia-Mare, serie C, vol. XIX, fasc. Mechanics, Tribology, Machine Manufacturing Technology, 2005, pp. 633-638 35. Nacu, I., Racocea, C., Racocea Cristina, Hostiuc L. – Study of Phenomena Generated by the Passing of the Electric Current through Ball Bearings. Preliminary Tests on the Test Rig with two Electrical Serially Connected Rolling Bearings, Buletinul Institutului Politehnic Iasi, tomul L(LIV), fasc. 6A, 2004, pp. 213-220 36. Racocea, Cristina, Racocea, C., Hostiuc, L., Nacu, I. – Test Rig for Study of Phenomena Generated by the Passing of Electric Current through Two Electrical Serially Connected Rolling Bearings, Buletinul Institutului Politehnic din Iaşi, tomul L (LIV), fasc. 6A, 2004, pp. 213-220 37. Nacu, I., Racocea Cristina, Simion, Al., Racocea, C. – Magnetic Behavior of Ball Bearing Material Subjected to Electric Discharges, Conferinţa Prasic ‘06, Braşov, 2006, vol. II, pp.173-176, ISBN (10)973-635-825-9 38. Nacu I., Simion, Al., Racocea Cristina, Racocea C. – Possibilities of Determinating the Equivalent Diagrams Parameters of Ball Bearings Subjected to Electric Discharges, Conferinţa Prasic ‘06, Braşov, 2006, vol. II, pp.139-144, ISBN (10)973-635-825-9
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Nechifor Cristina-Delia **Lector. univ. dr. Fiz.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Cap.9. Effects of Gamma Irradiation on Polymer Materials Used in Biomedical Applications, Nechifor C.D., În ELECTROMAGNETIC RADIATION IN ANALYSIS AND DESIGN OF ORGANIC MATERIALS. ELECTRONIC AND BIOTECHNOLOGY APPLICATIONS, Ed. Dorohoi D.O., Barzic A.I., Aflori M., CRC Press Taylor & Francis Group, 2017,

	ISBN-13: 978-1-4987-7580-9.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Barzic, AI; Albu, RM; Stoica, I; Nechifor, CD; Avadanei, MI; Dimitriu, DG ; Dorohoi, DO, Birefringent polyvinyl alcohol layers as retardation components for display devices, POLYMERS FOR ADVANCED TECHNOLOGIES 35(1), DOI10.1002/pat.6196, 2024; 2. Dorohoi, DO; Postolache, M; Nechifor, CD; Dimitriu, DG; Albu, RM; Stoica, I.; Barzic, AI; Review on Optical Methods Used to Characterize the Linear Birefringence of Polymer Materials for Various Applications, MOLECULES 28(7), DOI10.3390/molecules28072955, 2023; 3. Androne, DAM; Nechifor, C; Postolache, M; Dimitriu, DG; Dorohoi, DO; UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, 85(2), pp.:199-212, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez3f8_168882.pdf; 2023. 4. Lutcanu, M; Coteata, M; Bernevig, MA; Nechifor, CD; Cazacu, MM; Paraschiv, P; Istrate, B.; Badarau, G.; Sandu, IG; Cimpoesu, N; Obtaining and Analyzing the Al2O3-Zr02 Ceramic Layers on Metallic Substrate, ARCHIVES OF METALLURGY AND MATERIALS 67(2), pp.:479-485, DOI10.24425/amm.2022.137780, 2022. 5. Postolache, M; Dimitriu, DG; Nechifor, CD; Bota, SC ; Closca, V. ; Dorohoi, DO; Birefringence of Thin Uniaxial Polymer Films Estimated Using the Light Polarization Ellipse, POLYMERS 14(5), DOI10.3390/polym14051063, 2022. 6. Cheptea, C.; Sunel, V; Morosanu, AC; Dimitriu, DG; Dulcescu-Oprea, MM; Angheluta, MD; Miron, M; Nechifor, CD; Dorohoi, DO; Malancus, RN; Optimized Synthesis of New N-Mustards Based on 2- Mercaptobenzoxazole Derivatives with Antitumor Activity, BIOMEDICINE 9(5), DOI10.3390/biomedicines9050476, 2021. 7. Barzic, AI, Albu, RM; Nechifor, CD; Postolache, M; Logigan, C.; Dorohoi, DO, Surface Processing of Polyethylene Terephthalate for Orientation of Nematics in Display Devices, MATERIALE PLASTICE 57(2), pp.: 1-7, DOI: 10.37358/MP.0.0.5344, 2020. 8. Nechifor, CD; Aflori, M; Dorohoi, DO, Anisotropy of Thin Foils Obtained from Microwave- Irradiated Poly(Vinyl Alcohol) Aqueous Solutions, POLYMERS 11(6), 10.3390/polym11061072, 2019. 9. Nechifor, CD; Postolache, M; Albu, RM; Barzic, AI; Dorohoi, DO, Induced birefringence of rubbed and stretched polyvinyl alcohol foils as alignment layers for nematic molecules, POLYMERS FOR ADVANCED TECHNOLOGIES, 30(8), pp.: 2143-2152, DOI: 10.1002/pat.4647, 2019. 10. Barzic A.I., Nechifor C.D., Stoica, I, Dorohoi, D.O., On the Effects of UV Radiation on the Release Ability of Glucose Embedded in Hydroxypropyl Cellulose Films, JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 55(6), pp.: 575-590, 2016. 11. Nechifor, C.D.; Zelinschi, C. B.; Dorohoi, D. O., Evaluation of Film Forming Polymeric Solutions for Skin Wound Dressing, MATERIALE PLASTICE 52(2), pp.:249-253, 2015. 12. Nechifor, C-D; Barzic, A. I.; Stoica, I.; Closca, V.; Dorohoi, D.-O., Study on glucose release ability from hydroxypropyl cellulose films, POLYMER BULLETIN, 72(3), pp.: 549-563, 2015. 13. Nechifor, Cristina-Delia; Zelinschi, Carmen Beatrice; Dorohoi, Dana-Ortansa, Influence of UV and Gamma radiations on the induced birefringence of stretched poly(vinyl) alcohol foils, Journal of Molecular Structure, 1062, pp. 179-184, 2014. 14. Melniciuc, NP; Closca, V; Nechifor, CD; Dorohoi, DO, Anisotropy of Ternary Solutions Containing 1,2,4-Triazoli-1-UM Phenacylids, Studied by Spectral Means, REVUE ROUMAINE DE CHIMIE 59(5), pp.: 359-364, 2014.

	15. Cigu, TA; Nechifor, CD; Sunel, V; Dorohoi, DO; Cheptea, C, Optimization Reaction for Obtaining New Hydrazidones with Biological Action, REVUE ROUMAINE DE CHIMIE 59(9), pp.: 739-747, 2014. 16. Cristina-Delia Nechifor, Carmen-Beatrice Zelinschi, Iuliana Stoica, Valentina Closca, Dana-Ortansa Dorohoi, Spectral Studies of Donepezil Release from Streched PVA Polymer Films, Journal of Molecular Structure 1044, pp. 262-267, 2013. 17. Cristina-Delia Nechifor, Ecaterina Angheluță, Dana-Ortansa Dorohoi, Birefringence of Poly (Vinyl Alcohol) (PVA) Thin Foils, Revista Materiale Plastice 47 (2), pp. 164-166, 2010. 18. Cristina-Delia Nechifor, Dana- Ortansa Dorohoi, Effects of UV Exposure on Poly (hydroxy urethane) -Poly (vinyl alcohol) (PHU-PVA) Blends for Polymer Membranes, Revista de Materiale Plastice 47 (3), pp. 306-310, 2010. 19. Cristina-Delia Nechifor, Dana-Ortansa Dorohoi, Constantin Ciobanu, The Influence of Gamma Radiations on Physico-Chemical Properties of Some Polymer Membranes, Romanian Journal of Physics 54 (3-4), pp. 349-359, 2009. 20. Nechifor, Cristina-Delia, Ciobanu, Catalina Liana, Dorohoi, Dana-Ortansa, Ciobanu, Constantin, Polymeric Films Properties of Poly (vinyl alcohol) and Poly (hydroxy urethane) in Different Concentrations, University Politehnica of Bucharest Scientific Bulletin-Series A- Applied Mathematics and Physics, 71 (1), pp. 97-106, 2009. 21. Daniela Babuşca, Mihaela Maria Dulcescu, Cristina Delia Nechifor, Dana Ortansa Dorohoi, Spectral Characteristics of P-Phenyl-Pyridazinium-Benzoyl-2,4,6-Picril Methylid (Ppbpm) Ternary Hydroxyl Solutions, Buletinul Institutului Politehnic din Iasi, Sectia Matematica, Mecanica Teoretica, Fizica. Tomul LIX (LVIII), Fasc.3, 2013 22. Cristina Marcela Rusu, Dana Ortansa Dorohoi, Cristina Delia Nechifor, Theoretical Estimation of Some Parameters of B6 Vitamin in Polar Solvents, Buletinul Institutului Politehnic din Iasi, Sectia Matematica, Mecanica Teoretica, Fizica. Tomul LIX (LVIII), Fasc.3, 2013 23. Cristina Marcela Rusu, Claudia Nadejde, Cristina Delia Nechifor, Theoretical and Experimental Study of B12 Vitamin in Polar Solvents, Buletinul Institutului Politehnic din Iasi, Sectia Matematica, Mecanica Teoretica, Fizica. Tomul LIX (LVIII), Fasc.4, 2013 24. Cristina-Delia Nechifor, Sebastian Popescu, Dana-Ortansa Dorohoi, Surface Molecularly Imprinted of Polypropilene for Glucose Recognition Using UV Grafting Method. Preliminary Evaluation, Buletinul Institutului Politehnic din Iasi, Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LVIII (LXII), Fasc.2, pp 79-88, 2012. 25. Cristina-Delia Nechifor, Sebastian Popescu, Study on Surface Energy of Polypropilene UV-Photo-Grafted with Glucose, Buletinul Institutului Politehnic din Iasi, Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LVIII (LXII), Fasc.1, pp 79-88, 2012. 26. Cristina-Delia Nechifor, Marian Luţcanu, Salicylic Acid Release From Dissolvable Polymeric Blends, Buletinul Institutului Politehnic Din Iasi, Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LVI (LIX), Fasc.4, pp. 241-250, 2010. 27. Cristina-Delia Nechifor, Marian Luţcanu, Evaluation of the Swelling Index for Some Hydrophilic Polymers, Buletinul Institutului Politehnic Iasi,Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LVI (LX), fasc. 3, pp.143-150, 2010. 28. Cristina-Delia Nechifor, Ecaterina Angheluță, Dana-Ortansa Dorohoi, Visible Birefringence of PVA Thin Foils, Buletinul Institutului Politehnic Iasi,Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LV (LIX), Fasc.1, pp 123-127, 2009. 29. Oana Niculescu; Cristina-Delia Nechifor, On the Effects of Low Pressure Argon Plasma Treatment on PVA Films, Buletinul Institutului Politehnic Din Iasi, Sectia MATEMATICA, MECANICA TEORETICA, FIZICA. Tomul LV (LIX), Fasc.1,

	pp 67-75, 2009.
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Cristina-Delia Nechifor, Dana- Ortansa Dorohoi, Constantin Ciobanu, Polymeric Films Under UV and Gamma Radiations, The annals of the "Dunarea de Jos" University of Galati, Mathematisc, Physics, Chemistry, Informatics fascicle II, supplement, year II (XXXI), pp. 141- 147, 2008. 2. D. Mihăilescu, Cristina-Delia Nechifor, M. Straticiuc, Mirela Bercea, Cross sections and protons optimum energy ranges for some medical radioizotopes production, ANALELE ŞTIINŢIFICE ALE UNIVERSITĂŢII "AL. I. CUZA" IAŞI, Tomul III, Biofizică, Fizică medicală şi Fizica mediului, pp.31-36, 2007.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Cristina-Delia Nechifor, Liana Cătălina Ciobanu, Dana- Ortansa Dorohoi, Constantin Ciobanu, UV treatment of some polymer membranes obtained from poly (hydroxy-urethane) and poly (vinyl alcohol), Proceedings of ECOMAT 2008. 2. Cristina-Delia Nechifor, Ecaterina Angheluţă, DanaOrtansa Dorohoi, Evaluation of Polyvinyl Alcohol Films with Different Stretching Degree, poster, A XXXVI Conferinţă Naţională Fizica şi Tehnologiile Educaţionale Moderne, 16-17 Mai 2008, Iasi, Romania, publicată în Revista Ştiinţifică "V. Adamachi", pp. 76-78, 2008. 3. Mihaela Miron, Cristina Nechifor, Dana Ortansa Dorohoi, Physical-chemical Principles of the Human Eye Accommodation, poster, A XXXVI Conferinţă Naţională Fizica şi Tehnologiile Educaţionale Moderne, 16-17 Mai 2008, Iasi, Romania, publicată în Revista Ştiinţifică "V. Adamachi", pp. 86-88, 2008. 4. Ecaterina Angheluţă, Cristina-Delia Nechifor, Dana Ortansa Dorohoi, Medii Anizotrope, poster, A XXXVI Conferinţă Naţională Fizica şi Tehnologiile Educaţionale Moderne, 16-17 Mai 2008, Iasi, Romania, publicată în Revista Ştiinţifică "V.Adamachi", Vol. XVII - Nr.1, pp. 93-95, 2008. 5. Cristina Delia Nechifor, Mihai Straticiuc, Mirela Bercea, Dan Mihailescu, Cross sections and protons optimum energy ranges for 123 I and 201 Tl production, poster, A XXXVI Conferinţă Naţională Fizica şi Tehnologiile Educaţionale Moderne, Mai 2007, Iasi, Romania, publicată în Revista Ştiinţifică "V. Adamachi", pp. 122-123, 2007. 6. Cristina-Delia Nechifor, Maura Ioana Petcu, Dan Mihailescu, Monte Carlo simulation of high energy radiation trajectories inside different materials, a XXXV-a Conferinţă Naţională "Fizica şi Tehnologiile Educaţionale Moderne", mai 2006, Iasi, Romania, publicată în Revista Ştiinţifică "V. Adamachi", pp. 111-112, 2006 7. Cristina-Delia Nechifor, M. Bodale, 3D Measurement of radiation dose in tele-cobalt- therapy, a XXXIV-a Conferinţă Naţională "Fizica şi Tehnologiile Educaţionale Moderne", mai 2005, Iasi, Romania, publicată în Revista Ştiinţifică "V.Adamachi", Vol. XIV - Nr.1, pp. 76-78, 2005.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director de proiect cercetare: „Biosenzori cu cristale lichide ancorate pe substrat de alcool polivinilic modificat fizic (PVA-BIOSENZ)", Tip Program: Granturi naţionale de cercetare – ARUT, Grant nr. GNaC2023_264/2024 **2.** Cercetător Post-doctoral in proiectul: Obţinerea polimerilor cu capacitate de recunoaştere moleculară pentru sistemele de eliberare controlata de medicamente, utilizând iradierea UV ca metoda fizică de grefare, finaţat prin competiţie prin proiectul: POSDRU/89/1.5/S/63663

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Petrișor Daniel **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Daniel Petrișor, PROCESAREA DIGITALĂ A IMAGINILOR CU APLICAȚII ÎN MONITORIZAREA MOBILITĂȚII REGIUNILOR OCULARE, Editura PIM Iași, ISBN 978-606-13-2142-1, 189 de pagini, 2014.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Cristian Fosalau, Cristian Zet, Daniel Petrisor, Multiaxis inclinometer for in depth measurement of landslide movements, Sensor Review, vol.35 Issue 3, Emerald Group Publishing Limited, ISSN: 0260- 2288, vol. 35, no. 3, pp. 296-302 (2015) (ISI Web of Science, IF 2015 = 0,75), 15 June 2015;
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. C. Damian, D. Petrisor, C. Fosalau, C. Zet, Landslide surveillance using a wireless measurement grid , Environmental Engineering and Management Journal, 2019 2. Cristian Fosalau, Cristian Zet and Daniel Petrisor, A Highly Sensitive Transducer for Landslide Monitoring, MATTER: International Journal of Science and Technology, Vol. 1, No.1, pp. 1-11, July 2015, ISSN 2454-5880, disponibil on-line la: http://grdspublishing.org/4-issue-one/1-a-highly- sensitive-transducer-for-landslide-monitoring.html, July 2015. 3. Fosalau C., Zet C., Petrisor D., A new landslide inclinometer using highly sensitive gauges, International Journal on Smart Sensing and Intelligent Systems, Proceedings of the 8th International Conference on Sensing Technology ICST2014, Liverpool, United Kingdom, ISSN 1178-5608, pp. 220-224, September 2-4, 2014; 4. Zet C., Fosalau C., Petrisor D., Study of the sensitivity and stability of a landslide sensor based on magnetic amorphous wires, International Journal on Smart Sensing and Intelligent Systems, Proceedings of the 8th International Conference on Sensing Technology ICST2014, Liverpool, United Kingdom, ISSN 1178-5608, pp. 216-219, September 2-4, 2014;
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Silviu Nicolae Dobrea, Daniel Petrisor, "Client-Server Application for Real-Time Video Streaming," 2024 47th International Conference on Telecommunications and Signal Processing (TSP), Prague, Czech Republic, 2024, pp. 253-259, doi: 10.1109/TSP63128.2024.10605960 2. Carmen Cârlan; Daniel Petrișor; Barbara Gallina; Hannes Schoenhaar, Technical University of Iași, Iași, Romania, Checkable Safety Cases: Enabling Automated Consistency Checks between Safety Work Products, 2020 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW), 978-1-7281- 7735-9, Coimbra, Portugal, Portugal , 10.1109/ISSREW51248.2020.00088 3. Daniel Petrisor, Danilo da Costa Ribeiro, Tackling Human Factors within New Autonomous Scenario, Human System Integration Conference, Biarritz, France, september 2019 4. Daniel Petrisor, Catalin Daniel Galatanu, Cristian-Győző Haba, Liviu Breniuc, Color Quality Measurements of LED Light Sources Using Image Processing, 2019 IEEE International Conference on Environment and Electrical Engineering and 2019 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe) 5. Galatanu, Catalin-Daniel; Haba, Cristian-Gyozo; Petrisor, Daniel; Breniuc, Liviu, Imaging Measurements for Public

	Lighting Predictive Maintenance, 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Published 2019 6. Breniuc, Liviu; Haba, Cristian-Gyozo; Galatanu, Catalin-Daniel ; Petrisor, Daniel; Hertanu, Radu, Correlated Color Temperature Measuring and Adjustment System, 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)Published 2019 7. Haba, Cristian-Gyozo; Breniuc, Liviu ; Galatanu, Catalin-Daniel ; Petrisor, Daniel ; Hertanu, Radu, IoT System for Implementation of Connected Lighting, 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)Published 2019 8. Leonte Constantin, C. Fosalau, C. Zet, D. Petrisor, Driver Monitoring Using Face Detection and Facial Landmarks, EPE 2018 - INTERNATIONAL CONFERENCE AND EXPOSITION ON ELECTRICAL AND POWER ENGINEERING (EPE 2018), Iasi, Romania, 2018 9. C.Fosalau, C. Zet, D. Petrisor, Implementation of a Landslide Monitoring System as a Wireless Sensor Network, 7th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (IEEE UEMCON) Location: New York, NY Date: OCT 20-22, 2016. 10. D.Petrişor, C. Zet,, C.Foşalău, Optimized Data Flow Management in Event Driven Wireless Sensor Networks A Case Study on Landslide Surveillance, 7th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (IEEE UEMCON) Location: New York, NY Date: OCT 20-22, 2016. 11. C. Zet, C.Fosalau, D. Petrisor, Study of the power consumtion of a landslide sensor node, 7th IEEE Annual Ubiquitous Computing, Electronics and Mobile Communication Conference (IEEE UEMCON) Location: New York, NY Date: OCT 20-22, 2016. 12. Petrisor, D., Zet, C., Fosalau, Data consistency and fault management in local sensor networks used for landslide surveillance, 21st IMEKO TC-4 International Symposium on Understanding the World through Electrical and Electronic Measurement, and 19th International Workshop on ADC Modelling and Testing, pp. 113-116, September 7-9, 2016. 13. Fosalau, C., Hogas, I., Zet, C., Petrisor, D., A PSpice model for sensors based on stressimpedance effect, 21st IMEKO TC-4 International Symposium on Understanding the World through Electrical and Electronic Measurement, and 19th International Workshop on ADC Modelling and Testing, September 7-9, 2016. 14. Catalin Ionescu, Cristian Fosalau, Daniel Petrisor, Cristian Zet, A pupil center detection algorithm based on eye color pixels differences, The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015 Grigore T. Popa University of Medicine and Pharmacy, ISBN 978-1-4673-7545-0/15, Iaşi, Romania, November 19-21, 2015; 15. Cristian Zet, Cristian Foşalău, Daniel Petrişor, Pore water pressure sensor for landslide prediction, IEEE Sensors 2015 International Conference, IEEE Catalog Number: CFP15SEN-USB, ISBN: 978-1-4799-8202-8, Busan, South Korea, pp.390-393,1-4 November, 2015; 16. D.Petrişor, C.Foşalău, C. Zet, Remote Measurement and Surveillance Grid for Landslide Risk Assessment and Mitigation, 38th International Conference on Telecommunications and Signal Processing, TSP 2015, July 9-11, 2015, Prague, ISBN 978-1-4799-8498-5, pp. 154-158. 17. C.Ionescu, C.Fosalau, D. Petrisor, A study of changes in image contrast with various algorithms, 2014 International Conference and Exposition on Electrical and Power Engineering EPE 2014, ISBN 978-1-4799-5848-1, Iasi, Romania, pp. 100-104, October 16-18, 2014; 18. Petrisor D., Fosalau C., Visual attention communication method for impaired people by eye and eyelid movements: A

Framework for Real World Scenarios, 2014 IEEE International Symposium on Medical Measurements and Applications MeMeA 2014, Lisbon, Portugal, pp. 627–632, June 11-12, 2014;
19. Fosalau C., Zet C., Petrisor D., Damian C., A new type of highly sensitive strain gage based on microstructured magnetic materials, IEEE International Symposium on Robotic and Sensors Environments (ROSE), Washington DC, USA, pp. 102–106, Oct. 21-23, 2013;
20. Petrisor D., Fosalau C., Zet C., Damian C., Measurement of landslide displacement and orientation using strain gauges based on amorphous magnetic microwires, 19th IMEKO TC4 Symposium - Measurements of Electrical Quantities 2013 and 17th International Workshop on ADC and DAC Modelling and Testing, Barcelona, Spain, pp. 655-660, July 18-19, 2013;
21. Zet C., Fosalau C., Petrisor D., Damian C., Landslide transducer based on amorphous wire strain gauges, 19th IMEKO TC4 Symposium - Measurements of Electrical Quantities 2013 and 17th International Workshop on ADC and DAC Modelling and Testing, Barcelona, Spain, pp. 286-289, July 18-19, 2013;
22. Petrişor D., Foşalău C., Măriuţ F., Video Acquisition Framework for High Speed Video Measurements of Human Eyelid Mobility, 7th International Conference of Electrical and Power Engineering – EPE 2012, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-1-4673-1171-7, pp. 857-860, Oct. 25–27, 2012;
23. Branzila M., Mariut F., Petrisor D., Virtual instrument developed for adcon weather station, 7th International Conference of Electrical and Power Engineering – EPE2012, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-1-4673-1171-7, pp. 853– 856, Oct. 25–27, 2012;
24. Lunca E., Damian C., Petrisor D., Postolache O., Programmable active filters based on digital potentiometers, 7th International Conference of Electrical and Power Engineering – EPE2012, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978- 1-4673-1171-7, pp. 787–791, Oct. 25–27, 2012
25. Măriuţ F., Foşalău C., Petrişor D., Traffic Sign Recognition using Wireless Communication, 7th International Conference of Electrical and Power Engineering – EPE 2012, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-1-4673-1171- 7, pp. 59–63, Oct. 25–27, 2012;
26. Măriuţ F., Foşalău C., Petrişor D., Lane Mark Detection Using Hough Transform, 7th International Conference of Electrical and Power Engineering – EPE 2012, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-1-4673-1171-7, pp. 871-875, Oct. 25–27, 2012;
27. Petrişor D., Foşalău C., Zet C., Măriuţ F., High Speed Video Monitoring System for Eyelid Movement Measurements, Proceedings of the 35th International Conference on Telecommunications and Signal Processing - TSP 2012, Prague, Czech Republic, ISBN: 978-1-4673-1116-8, IEEE Catalog Number: CFP 1288P-CDR, pp. 730-734, July 3-4, 2012;
28. Măriuţ F., Foşalău C., Zet C., Petrişor D., Experimental Traffic Sign Detection using I2V Communication, Proceedings of the 35th International Conference on Telecommunications and Signal Processing - TSP 2012, Prague, Czech Republic, ISBN: 978-1-4673-1116-8, IEEE Catalog Number: CFP 1288P-CDR, pp. 141-145, July 3-4, 2012;
29. Petrisor D., Foşalău C., Măriuţ F., Measurement Algorithm for Amplitude, Duration and Velocity of Upper Eyelid Movements, Proceedings of E-Health and Bioengineering Conference: EHB 2011, Iaşi, România, ISBN: 978-606-544-078-4, pp. 439-442, Nov. 24-26, 2011;
30. Petrişor D., Foşalău C., Avila M., Măriuţ F., Algorithm for Face and Eye Detection Using Colour Segmentation and Invariant Features, ISI Proceedings of the 34th International Conference on Telecommunications and Signal Processing - TSP 2011, Budapest, Hungary, ISBN 978-1-4577-1409-2, IEEE Catalog Number: CFP1188P-CDR, pp. 564-569, August 18-20, 2011;

	31. Măriuţ F., Foşalău C., Avila M., Petrişor D., Detection and Classification of Traffic Signs using Gabor Filter, ISI Proceedings of the 34th International Conference on Telecommunications and Signal Processing - TSP 2011, Budapest, Hungary, ISBN 978-1-4577-1409-2, IEEE Catalog Number: CFP1188P-CDR, pp. 554-558, August 18-20, 2011; 32. Petrişor D., Foşalău C., Măriuţ F., Tudosă I., Human Eye localization algorithm by using the structural model of the eye, 6th International Conference of Electrical and Power Engineering – EPE2010, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-606-13-0078-5, pp. II-289 – II-292, Oct. 28–30, 2010; 33. Tudosă I., Foşalău C., Petrişor D., Măriuţ F., Studies on the effectiveness of the LMS algorithm used in signal filtering, 6th International Conference of Electrical and Power Engineering – EPE2010, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978- 606-13-0078-5, pp. II-357 – II-360, Oct. 28–30, 2010; 34. Măriuţ F., Fosalau C., Petrisor D., Tudosa I., Automated recognition of traffic speed limits using digital image processing, 6th International Conference of Electrical and Power Engineering – EPE2010, Faculty of Electrical Engineering, Iaşi, Romania, ISBN: 978-606-13-0078-5, pp. II-285 – II-288, Oct. 28–30, 2010; 35. Petrişor D., Măriuţ F., Sistem de monitorizare wireless a temperaturii, A 2-a ediţie a simpozionului ştiinţific studenţesc naţional – ELStudIS 2010, Facultatea de Inginerie Electrică, Energetică şi Informatică Aplicată, Iaşi, România, ISBN: 978-606-13-0066- 2, pp. 141-146, 26-27 octombrie 2010; 36. Măriuţ F., Petrisor D., Utilizarea transformatei Hough in procesarea digitală a imaginii, A 2-a ediţie a simpozionului ştiinţific studenţesc naţional – ELStudIS 2010, Facultatea de Inginerie Electrică, Energetică şi Informatică Aplicată, Iaşi, România, ISBN: 978- 606-13-0066-2, pp. 135-140, 26-27 octombrie, 2010; 37. Ioan Tudosa, Cristian Foşalău, Cristian Zet, Dumitru Costineanu, Daniel Petrişor, Experimental Test Bench for DSP Applications, Proceedings of the 5th International Conference on Metrology & Measurement Systems METSIM 2009, Bucharest, Romania, Editura Noua, pp. 46-51, ISBN 978-606-8082-22-6, November 5-6, 2009; Haba Cristian-Gyozo, Tudosa Ioan, Petrisor Daniel, Adapting Curricula to the Job Market in a Partnership with Industry, Buletinul Institutului Politehnic Iasi, LIV(4), pp. 183-188, 2008;
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. HIGHLY SENSITIVE DEFORMATION TRANSDUCER, RO131346A2 • 2016-08-30 • UNIV TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI [RO] Earliest priority: 2015-02-17 Earliest publication: 2016-08-30 2. SENSOR FOR MEASURING HYDROSTATIC PORE PRESSURE, RO132116A2 • 2017- 08-30 • UNIV TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI [RO], Earliest priority: 2016- 02-19 • Earliest publication: 2017-08-30 **3.** PARTITION WALL/WINDOW, RO133012A2 • 2018-12-28 •UNIV TEHNICA GHEORGHE ASACHI DIN IASI [RO], Earliest priority: 2017-06-09 • Earliest publication: 2018-12-28
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director de proiect, grant intern TUIASI, GI-18, an 2021, cu titlul “Metoda de identificare a modelelor comportamentale și sistem de evaluare a performantei umane in contextul conduceri de autovehicule/ SafeModel ”. 2. Membru în echipa de cercetare a proiectului Sistem complex de monitorizare a alunecărilor de teren utilizând traductoare bazate pe noi materiale și tehnologii, PN- II-PT-PCCA-2011-3.2-0975, in intervalul 2012 – 2016. 3. Membru, Contract 83/2016, Proiect international Era Net Cofund, Titlul: Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil (SMART URBAN ISLE), în anul 2016. 4. Membru în echipa de cercetare a proiectului Dezvoltarea portofoliului de produse inovative al S.C. CAOM S.A. prin

	transferul tehnologic al unei marci tensometrice cu sensibilitate ridicată - 39PTE, începând cu anul 2016.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Plopa Olga **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Trandabat, A.F.; Schreiner, O.D.; Schreiner, T.G.; Plopa, O.; Ciobanu, R.C., Study on Hybrid Assemblies of Graphene and Conducting Polymers with Embedded Gold Nanoparticles for Potential Electrode Purposes. Chemosensors 2025, Volume: 13, Issue: 4, Journal Impact Factor ™ (2024) 3.7, (Five Year: 3.8), eISSN: 2227-9040, https://doi.org/10.3390/chemosensors13040130, WOS:001474356600001 (WoS, Scopus) 2. Catalin-Paul Constantin, Luiza Madalina Gradinaru, Olga Plopa, Radu-Dan Rusu, Surface modification of polyimide films towards very low contact angles, Polymer Degradation and Stability, Volume 202, 2022, Article Number: 110036, ISSN 0141-3910, Published: AUG 2022; Document Type: Article, https://doi.org/10.1016/j.polymdegradstab.2022.110036, ISSN: 0141-3910; eISSN: 1873-2321; Journal Impact Factor ™ (2021) 5.204, WOS:000824494600003. (WoS, Scopus). 3. Drobota, M, Butnaru, M., Vornicu, N., Plopa, O., Aflori, M., Facile Method for Obtaining Gold-Coated Polyester Surfaces with Antimicrobial Properties, ADVANCES IN POLYMER TECHNOLOGY, Volume: 2020, Article Number: 4504062, DOI: 10.1155/2020/4504062, Published: APR 2 2020, Document Type:Article, Impact Factor 1.539 (2019), 1.589 (5 year), Publisher WILEY-HINDAWI, ADAM HOUSE, 3RD FL, 1 FITZROY SQ, LONDON, WIT 5HE, ENGLAND, ISSN: 0730-6679, eISSN: 1098-2329, WOS:000526854400001. F.2. 4. Plopa Olga, Paulet Marius, Ursan George-Andrei, Ungureanu Laurentiu, Schreiner Cristina, Capacitive C and RC sensorial test systems for automatic lighting control, Buletinul Institutului Politehnic Iasi, sectia Electrotehnica, Energetica, Electronica, VOL 65 (69), FASC 4, pp. 61-70, 2019. 5. Arădoaei S., Plopa Olga, Symmetrical components evaluation in real time, Buletinul Institutului Politehnic din Iaşi, Volumul 63 (67), Fasc. 2, 2017, pp. 27-27. 6. Ursan G. A., Vremeră E., Ursan Maria, Plopa Olga, "Advanced Automotive Communication NetworkS, CAN Protocol Technology", Buletinul Institutului Politehnic Iasi, Tomul LV (LIX), FASC 3, pp. 43-56, 2009. 7. Plopa Olga, C. Fosalau, Cretu M., "Grützmacher bridge as operation principle for a digital impedance meter", Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), FASC 4, pp. 1107-1112, 2008.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. João Monge, Octavian Postolache, Olga Plopa, Alexandru Trandabat, Oliver Schreiner and Thomas Schreiner, Glucose Detection in Sweat using Biosensors, The 7th IEEE International Conference on E-Health and Bioengineering, EHB 2019. 21-23 November 2019, Iasi, Romania, DOI: 10.1109/EHB47216.2019.8970023, Electronic ISBN: 978-1-7281-2603-6, USB ISBN: 978- 1-7281-2602-9, Print on Demand(PoD) ISBN: 978-1-7281-2604-3, Electronic ISSN: 2575-5145, Print on Demand(PoD) ISSN: 2575-5137, (Indexat WoS, IEEE, Scopus) WOS:000558648300153

	2. Gabriela Postolache, Alexandru Trandabat, Olga Plopa, Pedro Silva Girão and Octavian Postolache, Wearable devices for studying microvascular reactivity – it is feasible?, 7-th edition of the International Conference on e-Health and Bioengineering, EHB 2019. 21-23 November 2019, Iasi, Romania, in curs de publicare (Indexat WoS, IEEE, Scopus) WOS:000558648300137 3. Ursan George-Andrei, Plopa Olga, Contofan Cosmin, Aradoaei Mihaela, Ursan Maria, Optical Evalution Systems for Anisotropic Composite Materials Quality Assessment, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October 2019, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 690-693, INSPEC Accession Number: 19186627, DOI: 10.1109/SIELMEN.2019.8905831, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1- 7281-4010-0, WOS:000630287500041 4. Marius Paulet, Olga Plopa, George-Andrei Ursan, Ileana Ursu, Vibration and Mechanical Shock Monitoring Using Flexible Piezoelectric Sensors, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October 2019, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 636-639, INSPEC Accession Number: 19172214, DOI: 10.1109/SIELMEN.2019.8905827, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1- 7281-4010-0, WOS:000630287500037 5. Olga Plopa, Marius Paulet, George-Andrei Ursan, Laurentiu Ungureanu, Cristina Schreiner, Capacitive C and RC Sensorial Test Systems in LabVIEW Graphic Programming Environment with NI USB-6210 Acquisition Board, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October 2019, Chisinau, R. Moldova, (Wos, Scopus, IEEE), pp. 632-635, INSPEC Accession Number: 19172180, DOI: 10.1109/SIELMEN.2019.8905884, Electronic ISBN: 978-1- 7281-4011-7, USB ISBN: 978-1-7281-4010-0 , WOS:000630287500091 6. Olga Plopa, Sebastian-Teodor Aradoaei, George-Andrei Ursan, A New PSpice Implementation of a Three-Phase Induction Machine Model, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October 2019, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 520-525, INSPEC Accession Number: 19172232, DOI: 10.1109/SIELMEN.2019.8905799, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1- 7281-4010-0 WOS:000630287500011 7. George-Andrei Ursan, Olga Plopa, Maria Ursan, Use of Electric circuits' Simulation Methods, as New Methods of Learning/Experimentation in an Electrical Laboratory, 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS (SIELMEN 2019), 10-11 October 2019, Chisinau, R. Moldova, (WoS, Scopus, IEEE), pp. 532-535, INSPEC Accession Number: 19172233, DOI: 10.1109/SIELMEN.2019.8905857, Electronic ISBN: 978-1-7281-4011-7, USB ISBN: 978-1- 7281-4010-0, WOS:000630287500066 8. Romeo Cristian Ciobanu, Marius Andrei Olariu, George-Andrei Ursan, Mihaela Aradoaei and Olga Plopa, Modeling and Simulation of Nanoparticles Dispersion for the Realization of ACFs, International Symposium on Fundamentals of Electrical Engineering 2018, November 1 - 3, 2018 Bucharest, Romania (Indexat WoS, IEEE, Scopus), WOS:000480396400034, ISBN:978- 1-5386-7212-9, IDS Number: BN3NN 9. I.D. Vlaicu, M. Maček Kržmanc, A.V. Maraloiu, D. Ghica, I.F. Mercioniu, M. Ștefan, A.M. Vlaicu, R.F. Negrea, A.C. Kuncser, Ș. Bulat, R. Ciobanu, O. Plopa, Limits and Particularities of the Synthesis of Ba1-xCaxTiO3 for Piezoelectric Applications, by Topochemical Conversion from Molten Salt Solutions, 2018 International Conference on Electrical and Power Engineering, EPE 2018, October 18-19 2018, Iaşi, Romania, WOS:000458752200205, ISBN 978-1-5386-5062-2, ISSN 2471-6855 (Indexat WoS, IEEE, Scopus)

	10. Cristian Győző Haba, Liviu Breniuc, Olga Plopa, Ileana Ursu, Multiple Gas Sensing Platform with RFID Connectivity, 2018 International Conference on Electrical and Power Engineering, EPE 2018, October 18-19 2018, Iaşi, Romania, WOS:000458752200120, ISBN 978-1-5386-5062-2, ISSN 2471-6855 (Indexat WoS, IEEE, Scopus) 11. Liviu Breniuc, Cristian Győző Haba, Olga Plopa, Laurentiu-Iulian Ungureanu, Electrochemical RFID Sensor for Gas Concentration Measurement, 2018 International Conference on Electrical and Power Engineering, EPE 2018, October 18-19 2018, Iaşi, Romania, pp. 0290-0295, doi: 10.1109/ICEPE.2018.8559841, WOS:000458752200054; ISBN: 978-1- 5386-5062-2; ISSN: 2471-6855; IDS Number: BM0GU (Indexat WoS, IEEE, Scopus) 12. Camelia Petrescu, Olga Plopa, Using Differential Evolution Algorithms for the Analysis of Nonlinear Circuits, 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), pp. 196-200, USB PROCEEDINGS - ISBN 978-1-5386-1845-5, 11 October 2017 Iasi / 12-13 October 2017, Chisinau. WOS:000426906000038, ISBN: 978-1-5386-1846-2; IDS Number: BJ6PR. (Indexat WoS, IEEE, Scopus) 13. Plopa Olga, Ursan Maria, Tabrea Adrian, "Panels and profiles for constructions based on bio-composites", International Conference and Exposition on Electrical and Power Engineering EPE 2014, Iasi, 16-18 October 2014, pp. 873 - 876, INSPEC Accession Number: 14791714, DOI: 10.1109/ICEPE.2014.6970036, WOS:000353565300162, ISBN: 978-1-4799- 5849-8; ISSN: 2471-6855; IDS Number: BC5TE, (Indexat ISI Web of Knowledge, IEEE, Scopus) 14. Plopa Olga, "Implementing digital potentiometer in impedance measurements", MTC 2011, 7th International Conference Management of Technological Changes, 1-3 Septembrie 2011, Alexandroupolis, Grecia, pp. 405-407, WOS:000306939900102, ISBN: 978-960-99486-2-3, IDS Number: BBI18. (WoS, Scopus) 15. Kalvachev Y., Ganev V., Macheva Lubomira, Plopa Olga, Ciobanu Romeo, "GRID- embeded Remote Instrumentation Applied in the Earth Sciences", International Multidisciplinary Scientific GeoConference SGEM 2009, IDS Number: BOB04, ISSN 1314-2704, former ISBN 978-954-91818-1-4, pp. 79-86 WOS:000276075800012 Indexat ISI Web of Knowledge) 16. Plopa Olga, Zodi Wissam, Ursan Maria, Study of the influence of nonlinear core parameters on the precision of instrument transformers, 15th International Conference on Electromechanical And Power Systems (SIELMEN 2025), Chisinau, R. Moldova, 2025 (In curs de publicare IEEE) 17. Ciobanu Romeo Cristian; Aradoaei Mihaela; Aradoaei Sebastian-Teodor; Plopa Olga; Agop Adelina, Adapting the Grounding Measurements Technique for Electrical Resistivity Tomography Applications, 15th International Conference on Electromechanical And Power Systems (SIELMEN 2025), Chisinau, R. Moldova, 2025 (In curs de publicare IEEE) 18. Ursan George-Andrei; Plopa Olga; Ursan Maria, Chirica Alexandru, Use of Recycled Plastic for Educational Purposes, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 312-315, doi: 10.1109/EPEi63510.2024.10758185 (Scopus, IEEE). 19. Trandabat Alexandru, Arcire Alexandru, Ciobanu Romeo Cristian, Plopa Olga, Aradoaei Mihaela, Olteanu Alin, Mosneagu Andrei Adriana Mona, Design and modeling considerations for developing a millimolar Oxalic Acid detection sensor based on screen-printed carbon electrode and methilbenzenpirol, Proceedings of the 2022 12th International Conference and Exposition on Electrical and Power Engineering, EPE 2022, pp. 245 – 252, ISBN 978- 166548994-2, DOI 10.1109/EPE56121.2022.9959778 (Scopus, IEEE) 20. Botoc Dorin; Salceanu Alexandru; Plopa Olga; Siroux Monica, Exergetic Approach for Magnetic Refrigeration, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 315-318, doi: 10.1109/SIELMEN53755.2021.9600331. (Scopus, IEEE) 21. Ursan George-Andrei; Plopa Olga; Ursan Maria, PLCs' Inputs and Outputs Response Time Testing Application, 2021

	International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 057-060, doi: 10.1109/SIELMEN53755.2021.9600400. (Scopus, IEEE) 22. Ursan Maria; Ursan George-Andrei; Plopa Olga, Practical Application for Monitoring the Behavior of a Series RLC Circuit, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 065-068, doi: 10.1109/SIELMEN53755.2021.9600325. (Scopus, IEEE) 23. Ursan George-Andrei; Plopa Olga; Ursuleasa Raluca Mihaela; Ursan Maria; Tugui Costel, Obtaining of the Paints with Electromagnetic Shielding Properties, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 367-370, doi: 10.1109/SIELMEN53755.2021.9600281. (Scopus, IEEE) 24. Ursan George-Andrei, Plopa Olga and Ursan Maria, Testing Stand Using Hardware Description Languages, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 061-064, doi: 10.1109/SIELMEN53755.2021.9600334. (Scopus, IEEE) 25. Ursan George-Andrei, Plopa Olga, Olteanu Alin-Alexandru, Ursu Ileana and Ursan Maria, Dielectric Properties of Malleable Composite Materials in Electromagnetic Field, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 1-4, doi: 10.1109/SIELMEN53755.2021.9600422. (Scopus, IEEE) 26. Contofan Iulian Cosmin, Ursan George-Andrei, Plopa Olga, Ursan Maria, Correlation Between Concentration and Particles Size in Order to Optimize the Thermal Heating Process by Exposure of Composite Materials to Microwave Radiation, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, 2020, Iasi, Romania. (Scopus, IEEE) 27. Ursan George-Andrei, Plopa Olga, Ursan Maria, Simulation of Electrical Circuits Using Data Acquisition Boards for Online Education, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, 2020, Iasi, Romania. (Scopus, IEEE) 28. Laurentiu Ungureanu, Ciobanu Romeo, Schreiner Cristina, Mihaela Aradoaei, Plopa Olga, Flexible Piezo-Electric Composites for 3D-Printed Harvesters, 11th International Conference and Exposition on Electrical and Power Engineering (EPE 2020), October 22-23, 2020, Iasi, Romania. (Scopus, IEEE) 29. Calin Rugina, Olga Plopa, Alexandra Iulia Vizitiu, Mobile Applications for Smart Notifications, 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, ISBN 978-606-13-3975-4, September 14-15, 2017. (Indexat Scopus) 30. Hana Uršič, Romeo Ciobanu, Olga Plopa, Polyoxidic Thick Films for Piezoelectric Energy Harvesters, 22nd IMEKO TC4 International Symposium & 20th International Workshop on ADC Modelling and Testing, Iasi, Romania, ISBN 978-606-13-3975-4, September 14-15, 2017. (Indexat Scopus) 31. Plopa Olga, Creţu M., Burlacu Ramona, Costineanu D., “A new approach of digital potentiometers: digital impedance measurements”, 17th Symposium IMEKO TC 4, pp. 415-418, September 8-10, 2010, Kosice, Slovakia (Scopus) 32. Schreiner C., Ciobanu R.C., Vlaicu I. and Plopa Olga, Innovative Nano-materials and Architectures for Integrated Piezoelectric Energy Harvesting Applications, 15th International Conference on Environmental Science and Technology, Rhodes, Greece, 31 August to 2 September 2017, ISSN 1106-5516, ISBN 978-960-7475-53-4. 33. Cornelia Lorenz, Olga Plopa, Georgiana Maria Moraru, Cristian Bejenaru, "Dielectric specific characteristics of nanostructurated cores based on polysulfone in Salisbury and Jaumann configuration", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 84-87, 17-18 October 2013 Chişinău, Rep. of Moldova.

	34. Cornelia Lorenz, Olga Plopa, Andrei Niagu, Daniela Astarastoaei, "Methods for testing the shielding efficiency of electromagnetic shielding systems with hexachirala structure", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 60-63, 17-18 October 2013 Chişinău, Rep. of Moldova. 35. Cornelia Lorenz, Olga Plopa, Bogdana Florean, Anca Pintea, "Development of electromagnetic shielding systems with chiral honeycomb layered multiwire structure", 9th International Conference and Exhibition on Electromechanical and Power Systems SIELMEN 2013, pp. 48-51, 17-18 October 2013 Chişinău, Rep. of Moldova. 36. Plopa Olga, Burlacu Ramona, Schreiner Cristina, "Considerations on new biosensor technology", 8th International Conference on Electromechanical and Power Systems SIELMEN 2011, pp 402-407, 13-15 octombrie 2011, Chisinău. 37. Plopa Olga, Ursan G.A. and Astărăstoae Daniela, "Implementation of virtual impedancemeter", EPE 2010, The 6th International Conference on Electrical and Power Engineering, pp. I-371- I-374, Iasi, România 28-30 October 2010. 38. Plopa Olga, Spiridonică A. M., Pîslaru M., Rusei R., "A Making-decision System Based on Fuzzy Rules for Quality Assurance in Production Process", 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, pp. I-36 - I-39, October 8-9, 2009, Iaşi, Romania. 39. Plopa Olga, Creţu M., "Possibilities of Digitizing of Grützmacher Bridge", 7th International Conference on Electromechanical and Power Systems SIELMEN 2009, pp. I-231 - I-234, October 8-9, 2009, Iaşi, Romania. 40. Ursan G. A., Vremeră E., Ursan Maria, Plopa Olga, "Hybrid Electrical Vehicle,Control System for Parallel Design", 3rd International Symposium on Electrical Engineering and Energy Converters, pg. 151, September 24-25, 2009, Suceava, ISSN 2066-835X. 41. Costineanu D., Fosalau C., Damian C., Plopa Olga, "Triangulation-based 3d image processing method and system with compensating the errors of shadowing", 16th IMEKO- TC4Symposium, pp. 460-463, September 22-24, Florence, 2008. 42. Zet C., Plopa Olga, Damian C., Fosalau C., "Virtual Impedance spectroscopy for electrolytical cells", 16th IMEKO-TC4Symposium, pp. 651-656, September 22-24, Florence, 2008. 43. Plopa Olga, C. Fosalau, "Considerations on Digital Impedance Measurements", Proceedings of 6th International Conference on Electromechanical and Power Systems, SIELMEN 2007, October 4-6, Chişinău, 2007, Vol. II, pp. 32-37. 44. Seliman Cătălina, Plopa Olga, Damian C., Creţu M., "Urban Environment Influence on the Surface Water Quality in the City of Iaşi", Ecological agriculture - priorities and perspectives, the 52nd Scientific Conference, Book of abstracts pg. 38, October, 2009. 45. Plopa Olga, Seliman Cătălina, Damian C., "Environmental Parameters Laboratory Measurements With Virtual Instrumentation", Ecological agriculture - priorities and perspectives, the 52nd Scientific Conference, Book of abstracts pg. 62, October, 2009.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. POC 2014-2020, Axa 1, Acţiunea 1.2.3 Parteneriate pentru transfer de cunoştinţe, „Parteneriate pentru transfer de cunoştinţe în domeniul materialelor polimere folosite în ingineria biomedicală", POINGBIO, ID P_40_443, cod MySMIS:105689, Contract de finanţare nr. 86/8.09.2016, Ctr. subsidiar nr. 6353/25.09.2017//392/28.09.2017, Responsabil proiect, 2017- 2019 2. ERANET, ct. 51/2016, "Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei

	piezoelectrice", Director proiect, 2016-2019 3. MANUNET ERA NET, nr. 7-038/2011, "Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi", Responsabil proiect, 2011-2014 4. Eureka traditional, nr. 308E/19.08.2011, „Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „conceptul cladirii verzi"", Responsabil proiect, 2011-2014 5. CNCSIS Td-118, ct. 344/2007, „Cercetări privind măsurarea numerică a impedanţelor", Director proiect, 2007-2008
	Premii, distincţii
	1. Program 5.2, Subprogram 5.2.3 - Premierea rezultatelor cercetarii - Articole Web of Science, Competitia 2023 pentru articolul: Catalin-Paul Constantin, Luiza Madalina Gradinaru, Olga Plopa, Radu-Dan Rusu, Surface modification of polyimide films towards very low contact angles, Polymer Degradation and Stability, Volume 202, 2022, Article Number: 110036, ISSN 0141-3910, Published: AUG 2022; Document Type: Article, https://doi.org/10.1016/j.polymdegradstab.2022.110036, ISSN: 0141-3910; eISSN: 1873-2321; Journal Impact Factor ™ (2021) 5.204, WOS:000824494600003. (WoS, Scopus

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Scarlatache A. Vlad **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. S. Ursache, A.V. Neamtu, V.A. Scarlatache, A. Pruteanu, Smart materials for enviromental and energy efficiency uses – Dielectric and Emc Behaviour, lucrare publicată în cadrul conferinţei The 9th WORLD ENERGY SYSTEM CONFERENCE WESC 2012 şi în Buletinul AGIR, nr. 2/2012, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN-L 1224-7928, ISSN online 2247-3548, pp. 775-780, 2012; 2. A. Pruteanu, V.A. Scarlatache, R.C. Ciobanu, G. Viziteu, Thermal study of a superior lithium ion polymer battery, lucrare publicată în cadrul conferinţei The 9th WORLD ENERGY SYSTEM CONFERENCE WESC 2012 şi în Buletinul AGIR, nr. 2/2012, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN-L 1224-7928, ISSN online 2247-3548, pp. 123-128, 2012. 3. V.A. Scarlatache, R.C. Ciobanu, M. Pasquale, A. Pruteanu, Multi-walled carbon nanotube effect on dielectric properties of polymer matrices, lucrarea publicată în cadrul simpozionului 4th International Symposium on Electrical Engineering and Energy Converters şi în Buletinul AGIR nr. 4/2011, indexată în baza de date INDEX COPERNICUS INTERNATIONAL, ISSN - L 1224-7928, ISSN (online) 2247-3548, pp. 205-208, 2011; 4. S. Ursache, R.C. Ciobanu, V.A. Scarlatache, A. Niagu, Dielectric and electromagnetic behavior of conductive nanocomposites polymers: PP/MWCNT investigations for EMI applications, Advanced Engineering Forum Online: 2013-06-27, ISSN: 2234-991X, Vols. 8-9, pp 353-360, doi:10.4028/www.scientific.net/AEF.8-9.353 5.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. A. Caprile, M. Coïsson, F. Fiorillo, P. Kabos, O. M. Manu, E. S. Olivetti, M. A. Olariu, M. Pasquale, V.A. Scarlatache, Microwave behaviour of polymer bonded Iron oxide nanoparticles, jurnalul IEEE Transactions on Magnetics Volume: 48, Issue:

	11, cu factor de impact 1.626 .0ISSN: 0018-9464, pp. 3394 – 3397, DOI: 10.1109/TMAG.2012.2200462, 2012. 2. Fl. Scarlatache, Gh. Grigoras, V.-A. Scarlatache, B.-C-tin Neagu, and O. Ivanov. 2021. "A Hybrid Methodology Based on Smart Management Energy Consumption in Irrigation Systems" Electronics 10, no. 22: 2864, ISSN: 2079-9292. https://doi.org/10.3390/electronics10222864, (IF: 2.397).(25.18 puncte)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. V.-A.Scarlatache, Olariu M., Aradoaei S. and Filip T.A., "An Overview on Nonvolatile Memories Used in Automotive Industry," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 517-520, doi: 10.1109/SIELMEN53755.2021.9600442. 2. M. Olariu, V.A. Scarlatache, A. Niagu, S. Ursache, R.C. Ciobanu, The Influence of Frequency and Temperature upon Dielectric Behavior of Polypropylene reinforced with Multi-walled Carbon Nanotubes (MWCNTs), lucrarea publicată în cadrul conferinţei 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2012) şi indexată în baza de date IEEE Xplore Digital Library, ISSN : 1842- 0133, E-ISBN : 978-1-4673-1652-1, Print ISBN: 978-1-4673-1650-7, DOI: 10.1109/OPTIM.2012.6231902, pp. 287 – 292, 2012. 3. V.A. Scarlatache, M. Olariu, S. Ursache, R.C. Ciobanu, M. Pasquale, Magnetic and dielectric losses of a nanocomposites polymer matrix reinforced with ferromagnetic powders, lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 125-128, 2012; 4. V.A. Scarlatache, A. Niagu, D. Matasaru, R.C. Ciobanu, B. Martorana, Modification of dielectric properties, after barium titanate nanoparticles sintering, from a thermoplastic polymer matrix, lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 94-99, 2012; 5. D. Matasaru, V.A. Scarlatache, A. Pruteanu, B. Florean, G. Viziteu, Analysis of dielectric loss at high frequency, for a nanocomposite polymer matrix, based on polypropylene with insertion of Multi-walled Carbon Nanotubes (MWCNTs), lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 116-119, 2012. 6. A. Niagu, V.A. Scarlatache, S. Ursache, G.M. Moraru, An overview of smart conductive adhesive, lucrare publicată în cadrul conferinţei International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October, Iasi, Romania şi indexată IEEE, ISBN: 978-1-4673-1172-4, pp. 88-93, 2012; 7. V.A. Scarlatache, M. Ursan, R.C. Ciobanu, Dielectric Properties Characterization of Conductive Polymeric Materials at Temperature and Frequency Variation, lucrarea publicată în cadrul conferinţei 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2010) şi indexată în baza de date IEEE Xplore Digital Library, ISSN : 1842-0133, Print ISBN: 978-1-4244-7019-8, DOI: 10.1109/OPTIM.2010.5510370, pp. 208 – 213, 2010. 8. S. Ursache, M. Aradoaei (Mosneagu), A. Niagu, V.A. Scarlatache, Electromagnetic Shielding- Numerical Aproach and Some Complementary Aplications for Increase the Energy Effiency of Buildings, Proceedings of the 8th International Conference on Electromechanical and Power Systems - SIELMEN 2011, pp. 309-314, 2011. 9. V.A. Scarlatache, S.G. Flutur, M. Ursan, M. Olariu, D. Ciurea, An overview of standardization in the field of electromagnetic compatibility for the railway industry, EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 303-308, 2010; 10. A. Pruteanu, V.A. Scarlatache, G.A. Ursan, R. Rusei, A brief overview on supercapacitors and theirs possible

	applications, EPE 2010- 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp 367-370, 2010; 11. M. Ursan, G.A. Ursan, V.A. Scarlatache, R. Rusei, Practical method for detecting defects in conductive materials, EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 363-366, 2010; 12. S. Georgel Flutur, V.A. Scarlatache, A. Pruteanu, D. Ciurea, Analysis of the electromagnetic field created by power stations rail, EPE 2010 - 6th International Conference of Electrical and Power Engineering, ISBN: 978-606-13-0077-8, pp. 329-332, 2010; 13. M. Ursan, GA Ursan, V.A. Scarlatache, R.Ciobanu, Non Destructive 3-D Investigation of Nanocomposites Materials, 1-st IMEKO TC 19 International Symposium on Measurement and Instrumentation for Environmental Monitoring, IMEKO 2010, Kosice, Slovacia, 8-10 Septembrie, ISBN 978-80-553-0424-3, pp. 45, 2010; 14. V.A. Scarlatache, A. Pruteanu, R.C. Ciobanu, Caracteristici dielectrice ale polimerilor nanoconductivi folosiţi in apllicaţii EMC, Al II-lea Simpozion Ştiinţific Studenţesc Naţional - ELStudIS2010, ISBN: 978-606-13-0066-2, pp 173-177, 2010; 15. A. Pruteanu, V.A. Scarlatache, R.C. Ciobanu, Consideraţii generale asupra supercondensatoarelor, Al II-lea Simpozion Ştiinţific Studenţesc Naţional - ELStudIS2010, ISBN: 978-606-13-0066-2, pp 179-183, 2010; 16. A. Pruteanu, V.A. Scarlatache, R.C. Ciobanu, Noţiuni teoretice şi utilizări ale supercondensatoarelor în domeniul electric, Simpozionul Naţional de Electrotehnică Teoretică-SNET, ISSN 2067-4147 (online), 2010;
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Serea, I. Elena **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Elena Dănilă (Serea), New approach on energy storage technologies based on supercapacitors, ISBN: 978-3-659-45348-9, Lambert Academic Publishing, Germany, 2017. 2. Elena Serea, Light pollution effects and solutions. Sustainable public lighting,ISBN: 978-620-6-14361-1, Lambert Academic Publishing, Germany, 2023.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Donciu, C.; Serea, Elena; Temneanu, M.C. Frequency Seismic Response for EEWS Testing on Uniaxial Shaking Table. Entropy 2023, 25, 655. IF = 2.7

	2. Elena Serea, Penciuc, M.; Temneanu, M.C.; Donciu, C. Video Distance Measurement Technique Using Least Squares Based Sharpness Cost Function. Mathematics 2022, 10, 3273. IF=2.4 3. Dorin Lucache, Adrian Bulgaru, Dan Ioachim, Elena Dănilă, On electro- dewatering a cellulosic sludge, Environmental Engineering and Management Journal, vol. 8, nr. 2, apr. 2009, ISSN 1582-9596 , pg.266-271. IF=1.1 Articol publicat în revistă indexata in baze de date internaţionale (BDI) 4. Elena Serea and Codrin Donciu. Shaking Table Design for Testing Earthquake Early Warning Systems. Designs 7.3 (2023): 72... 5. Elena Serea, Donciu C (2022) Eye safety awareness and visual impairment prevention for computer users. J Clin Res Ophthalmol 9(2): 022-024. DOI: 10.17352/2455-1414.000099 6. Serea Elena, Penciuc Mihai, Temneanu Marinel, Donciu Codrin, Video distance measurement method based on three focus positions, Buletin IPI, vol.68 (72), No.1, pp.9-16, DOI 10.2478/bipie-2022-0001. 7. Serea, Elena, and Nelca Roco. Particularities in the Design of Underwater Lighting Systems. Journal of Civil Engineering and Architecture 16 (2022): 420-424. 8. Elena Serea, How artificial lighting can became a health issue, Academia Letters august 2021, DOI: 10.20935/AL2825. 9. Lucache D.D., Galatanu D.C., Dănilă Elena, „Factors Involved in Choosing LEDs for General Lighting Applications: a Critical Review", Analele Universitatii din Craiova, Serie Inginerie electrica, Anul 39, nr.39, ISSN 1842-4805, pp. 138-143, 2015 10. Elena Dănilă, Gheorghe Livinţ „Electrical parameter estimation of supercapacitor with equivalent model”, , Buletinul Institutului Politehnic din Iaşi, Tomul LXI (LXV), Fasc. 1, 2015, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ, pg. 27-36 11. Elena Dănilă, Dorin Dumitru Lucache „PV power source estimation for a custom-designed growing-plant lighting system”, , Acta Electrotehnica, Proccedings of 6th International Conference on Modern Power Systems 2015, pg. 77-82 12. Elena Dănilă, Dorin Dumitru Lucache „Cost effectiveness of growing plant lighting system” - - Journal of Electrical Engineering vol. 13 no.4, 2013, pg. 224-230, ISSN 1582-4594 13. Elena Dănilă, Dorin Dumitru Lucache "Autonomy improvement of data center backup sources with supercapacitors" -, Acta Electrotehnica Journal (BDI: VINITI), volume 54, no.5, 2013, ISSN 1841-3323, pg. 147-152. DOI: 10.13140/2.1.3825.6968. 14. Cătalin Damian, Cristian Zet, Elena Dănilă „Minimizing the fir filter area used in a FPGA power computing instrument” — WESC 2012 Conference Proceedings, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 15. Elena Dănilă, Cătălin Damian, Dorin Dumitru Lucache „Energy management in a laboratory computer grid” — WESC 2012 Conference Proceedings, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 16. Elena Dănilă, Dorin Dumitru Lucache, Gheorghe Livinţ „Models and modelling supercapacitors for a defined application” -, 8th international conference on electromechanical and power systems SIELMEN – Annals of the University of Craiova, Electrical Engineering series, No. 35, 2011; ISSN 1842-4805, pg.200-205. 17. Livinţ, G., Lucache, D. D., Dănilă, Elena. On controlling the magnetic suspension of a flywheel system, Rev. Meridian Ingineresc. 2010, nr. 4, pp. 26-30. ISSN 1683-853X.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. D. D. Lucache, Y. Elia, Elena S. Dănilă and C. D. Gălăţanu, "Grid support by BESS. Benefits for a Solar Thermal Plant," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-7, doi:

	10.1109/MPS58874.2023.10187444. 2. Elena Serea, M. C. Temneanu, C. Donciu and M. Berdan, "Influence of Household Tools in Regional Configuration of Earthquake Early Warning Systems," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 376-381, doi: 10.1109/EPE56121.2022.9959812. 3. Elena Serea, M. C. Temneanu, C. Donciu and G. Roşu, "Video Method for Estimating the Apparel Worn Size," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 364-367, doi: 10.1109/EPE56121.2022.9959746. 4. Elena Serea, M. C. Temneanu and C. Donciu, "Opto-Guard: Non-invasive System of Continuous User Assurance of Keeping the Optimal Distance of the Eyes from the Computer Screen," 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 1-5, doi: 10.1109/EPE56121.2022.9975793. 5. George Balan, Serea Elena, Dorin Dumitru Lucache, Critical Issues in the Design and Operation of Electrical Installations in Hospitals, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 503-510, doi: 10.1109/SIELMEN53755.2021.9600413. 6. Elena Serea;Dorin Dumitru Lucache, Consequences of Inappropriate Use of Architectural Lighting, 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), DOI: 10.1109/EPE50722.2020.9305680 7. Yosef Elia;Dorin Dumitru Lucache;Elena Serea, Battery Energy Storage Applications: Two Case Studies, 2019 8th International Conference on Modern Power Systems (MPS), DOI: 10.1109/MPS.2019.8759797, 8. Elena Dănilă, Dorin Dumitru Lucache, Efficient Lighting System for Greenhouses, International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 978-1-5090-6129-7/16. 9. Rakotomalala Lovasoa, Randriamanantany Zely, Dorin Dumitru Lucache, Elena Dănilă, Lens impact investigation on photometric parameters of some LED luminaires for exterior lighting, 2016 International Conference on Applied and Theoretical Electricity (ICATE), DOI: 10.1109/ICATE.2016.7754677. 10. Rakotomalala Lovasoa F.F., Zely R. Kebe, Fadel C.M., Elena Dănilă, Lucache Dorin D., High energy saving for Africa street lighting using individual automatic dimming of HID ballasts", International Conference and Exposition on Electrical and Power Engineering 2014, pg. 683-688, IEEE Explore DOI: 10.1109/ICEPE.2014.6969996 11. Elena Dănilă, Daniel Sticea, Gheorghe Livinț, Dorin Dumitru Lucache, Hybrid backup power source behaviour in a microgrid", , Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, pg. 637-641, ISSN 978-1-4799-5848-1, IEEE Explore DOI: 10.1109/ICEPE.2014.6969987 12. Elena Dănilă, Gheorghe Livinț, Dorin Dumitru Lucache Dynamic modelling of supercapacitor using artificial neural network technique", , Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, pg. 642-645, ISSN 978-1-4799-5848-1, IEEE Explore DOI: 10.1109/ICEPE.2014.6969988 13. Elena Dănilă, Dorin Lucache, Run-time optimization of hybrid energy source from an UPS back-upping critical consumer", , 14th International Conference on Optimization of Electrical and Electronic Equipment 2014, IEEE Explore și ISI Proceedings, pg.661-666, ISBN 978-1-4799-5183-3. DOI: 10.1109/OPTIM.2014.6850942. 14. Rakotomalala L.F.F, Randriamanantany Z.A, Dorin Dumitru Lucache, Elena Dănilă, „Energetic aspects of the HID ballast used in the outdoor lighting" - International Conference and Exposition on Electrical and Power Engineering, 2012, pg. 340-346, ISBN 978-1-4673-1173-1, DOI: 10.1109/ICEPE.2012.6463606 15. Elena Dănilă, Rachid Outbib, Dorin Dumitru Lucache „Supercapacitors and risk reduction in energy supply" -, 6th

	International Conference on Electrical and Power Engineering Iaşi 2010, ISBN vol.II : 978-606-13-0078-5, pg.95-98, DOI: 10.13140/2.1.1040.4161. 16. Elena Dănilă, Dorin Lucache "History of the first energy storage systems", IEEI 2010, 3rd International Symposium on the History of Electrical Engineering and of Tertiary-level Engineering Education, ISBN: 978-606-13-0052-5, pg. 9-10, DOI: 10.13140/2.1.1564.7040. 17. Elena Dănilă, Dorin Lucache, Dan Ioachim „Improving quality of learning during laboratory works by using preformed reports" -, 6th International Seminar on Quality Management in Higher Education 2010 ISI Proceedings, pg.407-411, ISBN: 978-973- 662-568-8, DOI: 10.13140/2.1.2220.0641. 18. Elena Dănilă, Dorin Lucache, Cătălin Damian "Risks in change management of engineering higher education" -, 6th International Seminar on Quality Management in Higher Education 2010, pg.51-55, ISBN: 978-973-662-568-8, DOI: 10.13140/2.1.2351.1366. 19. Dorin Lucache, Adrian Bulgaru, Dan Ioachim, Elena Dănilă „Management of the sludge wastes in the pulp and paper industry" -– The 6th International Conference On Management Of Technological Changes – ISI Proceedings, Greece 2009, ISBN (vol.2) 978-960-89832-8-1, pg.113-116. 20. Dorin Dumitru Lucache, Yosef Elia, Catalin Daniel Gălăţanu, Elena Danila, Outlook on connecting BESS to a Solar Thermal Plant, June 2022, Conference: ALTERNATIVE ENERGY SOURCES, MATERIALS AND TECHNOLOGIESAt: Veliko Tarnovo, Bulgaria. 21. Dorin Dumitru Lucache, Cătălin Daniel Gălăţanu, Elena Dănilă, Critical Analysis Of Investment in LEDs for General Lighting Applications, Proceedings of the 10th International Conference on Electromechanical and Power Systems, 2015, ISBN 978-606-567-284-0, pg.74-77. 22. Elena Dănilă, Dorin Lucache, Dan Ioachim. "Efficiency of some growing light systems for tomatoes" –Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 – Iasi, Romania, Vol.II, pp. II-376 – 379, ISBN vol. II 978-606-520-623-6, DOI: 10.13140/2.1.3661.8562. 23. Elena Dănilă, Gabriel Chiriac, Daniel Sticea "Supercapacitors to future storage devices" -, Proceedings of the 7th International Conference of Electromechanical and Power Systems, Editura PIM, 2009, vol. II, pp. 380 –383, ISBN vol II, 978-606-520-623- 6. 24. Gabriel Chiriac, Daniel Sticea, Gheorghe Livinţ, Dorin Lucache and Elena Dănilă „Tendencies in electric and hybrid electric vehicles batteries" -, 7th international conference on electromechanical and power systems SIELMEN, Editura PIM, 2009, vol. II, pp. 181-186, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iaşi, Romania.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. FP7 project, "Strategic Alignment of Electrical and Information Engineering in European Higher Education Institutions (SALEIE)" No. 527877-LLP-1-2012-1-UK- ERASMUS-ENW, 2012-2015, Coodinator: University of York, UK; Project responsible P12-TUIASI: Prof.dr.ing. Marian Poboroniuc (WP3 leader). Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie naţională sau încheiate cu institute de cercetare, companii, regii, societăţi comerciale 2. IHRG - PN-II-PT-PCCA-150/2012, director grant Prof.dr.ing. Popescu Nirvana (UPB)

	3. NOVAFES 267/2014 UEFISCDI, director grant Prof.dr.ing. Marian Poboroniuc 4. EXOSLIM – PN-II-PT-PCCA 180/2012, director grant Prof.dr.ing. Radu Olaru 5. POR 7227/19.11.2021 ”Sistem de avertizare seismică cu deblocarea automată a ușilor de intrare prevăzute cu interfon”, cod SMIS 137414, director grant Prof.dr.ing. Marinel Temneanu **6.** OptoGuard MedTech_5/2022, director grant intern Ș.l.dr.ing.Serea Elena

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Sticea Daniel Adrian **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. D. Sticea, Sisteme de control distribuit de pe vehicule electrice hibride, Editura Politehnium (cod CNCSIS 211), Iaşi, 194 pag. (38 rânduri/pagină) 2011, ISBN 978-973-621-355-7, 2011.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Gh. Livint, V. Horga, D. Sticea, M. Ratoi, M. Albu, Hybrid Electric Vehicle Experimental Model with CAN Network Real Time Control, Advances in Electrical and Computer Engineering, Volum 10, Nr2, 2010 2. Gh. Livinţ, V. Horga, D. Sticea, M. Răţoi, M. Albu, Electrical drive systems control on a hybrid vehicle model, Bul. Inst. Polit. Iaşi, LVI(LX), s. Electrot., Energ., Electron., pp. 103 – 115, (2010) (Index Copernicus) 3. D. Sticea, C. Dumea, Gh. Livinţ, Batteries management systems for an hybrid electric vehicle test bench, Bul. Inst. Polit. Iaşi, LVII(LXI), s. Electrot., Energ., Electron., pp. 69-77, (2011) (Index Copernicus, getCITED) 4. D. Sticea, Gh. Livinţ, M. Albu, Design and implementation of controller area network on hybrid electric vehicle experimental model, Bul. Inst. Polit. Iasi, LVII(LXI), s. Electrot., Energ., Electron., pp. 87-93, (2011) (Index Copernicus, getCITED) 5. D. Sticea, GH. Livint, M. Albu, DC-DC convertor structure for energy management on (hybrid) electric vehicle, Conferinta Nationala a Actionarilor Electrice, pp. 108 – 112, (2012), Buletinul AGIR nr. 4/2012 octombrie- decembrie, (Index Copernicus). 6. Elena Dănilă, Daniel Sticea, Gheorghe Livinţ, Dorin Dumitru Lucache, "Hybrid backup power source behaviour in a microgrid", Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 637 – 641, index IEEE Xplore, DOI 10.1109/ICEPE.2014.6969987 7. Daniel Sticea, Mihai Albu and Gheorghe Livint,”The Bidirectional Power Exchange Using a DC/DC Converter with Coupled Inductances” Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 933-940, index IEEE Xplore, DOI: 10.1109/ICEPE.2014.6970048 8. Mihai Albu, Daniel Sticea, Cristian Fosalau and Gabriel Chiriac,” Low-Cost Low-Power Microgrid with Photovoltaic Panels”, Proccedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1, pp. 941-944, index IEEE Xplore, DOI: 10.1109/ICEPE.2014.6970049 9. Danut C. Irimia; Marian S. Poboroniuc; Sergiu Hartopanu; Daniel Sticea; Georgel Paicu; Bogdan E. Ignat, "Post-stroke hand rehabilitation using a hybrid FES-robotic glove", Proceedings of International Conference and Exposition on Electrical and Power Engineering 2016, pp. 356 – 359, index IEEE Xplore, DOI 10.1109/ICEPE.2016.7781362 10. Dumitru Cuciureanu; Costica Nituca; Gabriel Chiriac; Daniel Sticea, "Analysis of the photovoltaic panels currently in

	use in different locations", Proceedings of International Conference and Exposition on Electrical and Power Engineering 2016, pp. 888 - 893, DOI: 10.1109/ICEPE.2016.778146 11. Daniel Sticea, Mihai Albu, Gabriel Chiriac, "Laboratory board for studying the half-bridge power electronic converters", 2017 International Conference on Electromechanical and Power Systems (SIELMEN), pp. 506-511, DOI: 10.1109/SIELMEN.2017.8123380 50/3=16.66 12. Danut Constantin Irimia, Alina Georgiana Baciu, Daniel Adrian Sticea, and Marian Silviu Poboroniuc, "New FES-robotic glove hybrid system for hand motor functions rehabilitation, Buletinul Institului Politehnic din Iasi", Volumul 64 (68), Numărul 3, 2018, Secţia ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ (revista indexata Copernicus) 13. Gabriel Chiriac ; Costica Nituca ; Daniel Sticea, "Electric Locomotive Laboratory Test Bench for Research and Educational Purposes", 8th International Conference on Modern Power Systems (MPS), 21-23 May 2019, DOI: 10.1109/MPS.2019.8759652 14. Andrei-Iulian Roman; Marian-Silviu Poboroniuc; Daniel Sticea; Danut- Constantin Irimia "Improved Software and Hardware of a Device Aiming to Assess Hand Movements During Rehabilitation in Hemiparetic People", 2020 International Conference on e-Health and Bioengineering (EHB), 29- 30 Oct. 2020, DOI:10.1109/EHB50910.2020.9279875 15. Andrei-Iulian Roman; Marian-Silviu Poboroniuc; Daniel Sticea; Danut- Constantin Irimia "A Novel Hardware and Software Interface for a Grip Force Tracking System", 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22-23 Oct. 2020, DOI: 10.1109/EPE50722.2020.9305590 16. Cătălin-Marian Samson; Elena Lercă; Daniel Sticea, "System for Study Stepper Motor Control and Clock Application", 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 22- 23 Oct. 2020, DOI: 10.1109/EPE50722.2020.9305535
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. D. Sticea, Gh. Livint, M. Albu, G. Chiriac, Experimental stand for the dynamical cycle study of the batteries used on hybrid electrical vehicle, Sielmen, Volume 2, pp. 172 – 175, (2009) 2. Gh. Livinţ, V. Horga, D. Sticea, M. Răţoi, M. Albu, Electrical drives control of a hybrid electric vehicle experimental model, Sielmen, Volume 2, pp. 21 – 27, (2009). 3. G. Chiriac, D. Sticea, Gh. Livinţ, D. Lucache, E. Dănilă, Tendencies in electric and hybrid electric vehicles batteries, Sielmen, Volume 2, pp. 181 – 186, (2009) 4. E. Dănilă, G. Chiriac and D. Sticea, Supercapacitors to future storage devices, Sielmen, Volume 2, pp. 380 – 383, (2009). 5. D. Sticea, M. Albu, Laboratory test bench for control algorithms study of the DC motor drive, Sielmen, Volume 1, pp. 405 – 408, (2009). 6. D. Sticea, M. Albu, Gh. Livint, V. Horga, M. Ratoi, An automated manual transmission solution for a hybrid electrical vehicle model, 6TH International Conference on Electrical and Power Engineering, Volume 1, (2010). 7. D. Sticea, Bidirectional DC-DC converter for energy source interface on hybrid electric vehicle, Fórum Manažéra, Volume 2, pp.10 – 12, (2011)
	Invenţii şi brevete (punctul J din Anexa A.3.7)

	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Proiect TE 114 din 09/09/2020 (PN-III-P1-1.1-TE-2019-1753), SISTEM HIBRID BCI-EXOSCHELET PENTRU RECUPERAREA MEMBRELOR SUPERIOARE, Danut Constantin Irimia – Director, Membri : Marian S. Poboroniuc, Alina G. Baciu, Daniel A. Sticea, Andrei I. Roman, Piseru Andrei 2. 2012-2016 PNII project, No. 150/2012, IHRG -AN INTELLIGENT HAPTIC ROBOT GLOVE for the PATIENTS SUFFERING A CEREBROVASCULAR ACCIDENT , Coodinator: University of Bucharest; Project responsible TUIASI: Marian Poboroniuc. 3. Sistem inteligent pentru managementul sarcinii consumatorilor rezidentiali alimentati din surse fotovoltaice, Proiect tip PN-III-P2-2.1-CI-2017-0823 nr. 145 CI / 10.10.2017-11.04.2018. Valoare 44990 ron. Director proiect: Ciprian Nemeş
	Premii, distincţii.
	1. Marian-Silviu Poboroniuc, Danut Irimia, Daniel Sticea, Georgel Paicu, Antonela Curteza, Laura Macovei, Virica Cretu, Maria Buzdugan, Tania Cernea, CYBER-ARM: SIsteme mecatornice hibride exoschelet&FES pentru recuperarea pacien'ilor cu handicap neuromotor, 7th INternational Fair of Inventions and Practical Ideas, INVEST-INVENT 2016, 15- 17.09.2016, Iasi, RO, poster. Premiul: "Inteligent Systems Award " si Medalia de aur

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Șfartz Corneliu Eugen **Sef lucr. dr. ing. mat.**	**Cărţi publicate în străinătate, în ţară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Condurache, D., Șfartz, E. – Exact Closed-Form Solutions of the Motion in Non-Inertial Reference Frames, Using the Properties of Lie Groups SO3 and SE3, Symmetry 2021, 13(10), 1963; https://doi.org/10.3390/sym13101963 2. Poteraşu, V.F, Ibănescu, R., Şfartz, E. – Nonlinear identification in frequency domain for mechanical joints, Proceedings of the 2nd International Conference on Nonlinear Mechanics, (ICNM II) , August 23-26, 1993, pages 266-268,
	Lucrări publicate în reviste din străinătate și din ţară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Poteraşu, V.F, Ibănescu, R., Şfartz, E - Identificarea neparametrică a sistemelor dinamice neliniare cu metoda balanţei armonice. Aplicaţii la cuplaje mecanice şi absorbitori dinamici, Studii şi Cercetări de Mecanică Aplicată, tom 52, nr. 6, pg. 483 – 501, 1993. 2. Poteraşu, V.F, Ibănescu, R., Şfartz, E - Frequency Identification of a Linear System Provided with a Dynamic Vibration Absorber, Buletinul Institutului Politehnic din Iaşi, tom XL (XLIV), fasc. 1-4, secţia V, pg. 69 – 73, 1994. 3. Şfartz, E. - Wavelets in Machinery Diagnosis, Buletinul Institutului Politehnic din Iaşi, tom XLV (XLIX), fasc. 1-2, secţia Construcţii de Maşini, pg. 51 – 63, 1999. 4. Şfartz, E. - A System Identification Method Using Wavelets. I. Applications to a Single Degree-of-Freedom System, Buletinul Institutului Politehnic din Iaşi, tom XLIX (LIII), fasc. 3-4, Secţia Matematica, Mecanica Teoretica, Fizica, pg. 71 – 80, 2003.

	5. Şfartz, E. - A System Identification Method Using Wavelets. II. Applications to a Multiple Degree-of-Freedom System, Buletinul Institutului Politehnic din Iaşi, tom L (LIV), fasc. 1-2, Secţia Matematica, Mecanica Teoretica, Fizica, pg. 89 – 100, 2004. 6. Şfartz, E., Ribeiro, A.M.R. - Modelling and Identification of a Single-Degree-of-Freedom System with General Damping, Buletinul Institutului Politehnic din Iaşi, tom LI (LV), fasc. 3-4, Secţia Matematica, Mecanica Teoretica, Fizica, pg. 33 – 44, 2005. 7. Vremeră, E., Sfartz, E., Brunetti, L. - Modelling of Bolometric Sensors, Buletinul Institutului Politehnic, Iaşi, tom LI (LV), fasc. 3-4, Sectia Electrotehnică, Energetică, Electronică, pg. 81-94, 2005. 8. Vremeră, E., Brunetti, L., Sfartz, E. - Fitting Curve Method in Accelerated Microcalorimeter Measurements, Buletinul Institutului Politehnic, Iaşi, tom LII (LVI), fasc 5, Sectia Electrotehnică, Energetică, Electronică, pg 1112-1120, 2006.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Poteraşu, V.F, Lorenz, P., Ibănescu, R., Şfartz, E - Identification of Dynamic Characteristics of Joints between Structural and Mechanical Elements, 12th International Conference on Structural Mechanics in Reactor Technology, August 15-20, 1993, University of Stuttgart, Germany, Elsevier Science Publishers, pg. 219-224, 1993. 2. Poteraşu, V.F, Ibănescu, R., Şfartz, E - Identificarea în domeniul frecvenţei a caracteristicilor dinamice ale cuplajelor elastice. A şaptea conferinţă de vibraţii mecanice, Timişoara, vol II, pg. 23-28, 20-22 mai, 1993. 3. Vremeră, E., David, V., Şfartz, E. - Measurements in the Radiofrequency Range on Absorbing and Shielding Materials, 15th IMEKO TC4 Intl. Symposium on Novelties in Electrical Measurements Instrumentation, Iasi, Sept 2007, vol. I, p 64-68. 4. Vremeră, E., Brunetti, L., Şfartz, E., Oberto, L., Sellone, M. - Microcalorimeter Techniques with Thermoelectric Transfer Standards, 15th IMEKO TC4 Intl. Symposium on Novelties in Electrical Measurements Instrumentation, Iasi, Sept 2007, vol. II, p 587-591.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Stirbu Ioan **Lector. univ. dr.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Ioan Stirbu, Anatolie A. Budevici, Educatie fizica in pregatirea profesonala a viiitoarei generatii. Editura Tehnica–Info, Chisinau, 2000, ISBN 9975-63-012-X.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Huțanu, G., Andrușcă, L., Popa, M., Paraschiv, P., Manole, V., Știrbu, I., & Cimpoeșu, N. (2024). ANALYSIS OF FRACTURE THROUGH TENSION AND TORSION OF 316L STAINLESS STEEL. International Journal of Modern Manufacturing Technologies (IJMMT), 16(2). 2. MISTREANU, S., TUDOSE-SANDU-VILLE, F., MUNTEANU, C., CIMPOESU, R., LUTCANU, M., ȘTIRBU, I., ... & CIMPOEȘU, N. (2024). INFLUENCE OF CORROSION ON THERMO-MECHANICAL CONTACT FATIGUE IN

	ROLLING CONDITIONS WITH LOW AMPLITUDE SLIDING. Archives of Metallurgy & Materials, 69(2). 3. Chelariu, R. G., Cimpoeșu, N., Paraschiv, P., Prisecariu, B. A., Rusu, I., Știrbu, I., ... & Bejinariu, C. (2024). Structural and Mechanical Properties of Hot Rolled CuAlBe Non-Spark Alloy Explosion. Archives of Metallurgy and Materials, 69(1), 263-268. 4. LUȚCANU, Marian et al. ANALYSIS OF ELECTRICAL DISCHARGE MACHINING (EDM) CUT OF CERAMIC LAYERS OBTAIN THROUGH ATMOSPHERIC PLASMA SPRAYING (APS) ON STEEL SUBSTRATE. ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING, [S.l.], v. 65, n. 4S, mar. 2023. ISSN 2393–2988. Available at: <https://atna-mam.utcluj.ro/index.php/Acta/article/view/2049>. 5. Roman, A. M., Chelariu, R., Cimpoesu, R., Stirbu, I., Ionita, I., Cazacu, M. M., ... & Sodor, A. (2022). Analysis of the Corrosion Rate of FeMn-Si Biodegradable Material. Archives of Metallurgy and Materials, 67(4), 1243-1250. 6. Cimpoeșu, R., Vizureanu, P., Știrbu, I., Sodor, A., Zegan, G., Prelipceanu, M., ... & Ioanid, N. (2021). Corrosion-resistance analysis of ha layer deposited through electrophoresis on Ti4Al4Zr metallic substrate. Applied Sciences, 11(9), 4198. 7. Lutcanu, M., Istrate, B., Coteata, M., Chicet, D. L., Ionita, I., Paraschiv, C., ... & Cimpoesu, N. (2021, February). Structural aspects and chemical analyses on cutting process of metallic-ceramic materials. In IOP Conference Series: Materials Science and Engineering (Vol. 1037, No. 1, p. 012033). IOP Publishing. 8. Paraschiv, C., Ştirbu, I., Cimpoeșu, R., Bernevig, M., Nejneru, C., Manole, V., Cimpoesu, N., Zegan, C., Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Optoelectronics and Advanced Materials - Rapid Communications, 10 (1-2), pp. 87-90, 2016. 9. Zegan, G., Cimpoeșu, R., Agop, M., Știrbu, I., Chicet, D.L., Istrate, B., Alexandru, A., Anton Prisacariu, B., Improving the HA deposition process on Ti-based advanced alloy through sandblasting, Optoelectronics and Advanced Materials, Rapid Communications, Vol.10, 3-4, 2016, 279-284. 10. Ştirbu, I., Vizureanu, P., Cimpoesu, R., Dascalu, G., Gurlui, S.O., Bernevig, M., Benchea, M., Cimpoesu, N., Postolache, P., Advanced metallic materials response at laser excitation for medical applications, 2015, Journal of Optoelectronics and Advanced Materials, 17 (7-8), pp. 1179-1185. 11. Ştirbu, I., Vizureanu, P., Cimpoeşu, R., Lungu, M., Bernevig, M., Popa, R.F., Chemical procedures for Ti-alloy based metallic surface modification, Optoelectronics and Advanced Materials, Rapid Communications, 2014, 8 (3-4), pp. 242-246. 12. Gradinaru, I., Stirbu, I.,. Gheorghe, C. A, Cimpoesu, N., Agop, M., Cimpoesu, R., Popa, C., Chemical properties of hydroxyapatite deposited through electrophoretic process on different sandblasted samples, Materials Science - Poland, Vol. 32, 4, 2014, 578-582, DOI: 10.2478/s13536-014-0241-x. 13. Ştirbu, I., Vizureanu, P., Cimpoesu, N., Analysis of Dental Alloys Characteristics (Microstructure and Corrosion Resistance) for Different Obtaining Methods, The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science, 2013, no. 4, 78-84, B+. 14. Ştirbu, I., Vizureanu, P., Cimpoesu, R., Titanium Based Alloys Chemical Surface Functionalization, The annals of "Dunarea de Jos" University of Galati, Fascicle IX. Metallurgy and Materials Science, 2013, ISSN 1453 – 083X, pg. 49-54, B+.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Todirică, F., Chicet, D. L., Achiței, D., Manole, V., Bernevig, M., Știrbu, I. & Cimpoeșu, N. (2025). Using energy

	dispersive spectroscopy (EDS) for a stainless steel-brass welding interface characterisation [Paper]. Proceedings - 56th International October Conference on Mining and Metallurgy, Bor Lake. https://doi.org/10.5937/IOC25382S. 2. I Ştirbu, P. Vizureanu, R. Cimpoesu, C. Munteanu, B. Istrate, M. Benchea, N. Cimpoeşu, Preliminary results on Ti-based alloy surface sandblast in order to improve the HA deposition process, ModTech2014 International Conference, Iasi. 3. Congresul International de Educatie Fizică si Sport si Kinetoterapie 2014, Editia a IV, 11-13 iunie, Bucuresti. Prezentare orală Implant material for sportive injuries. 4. tirbu I., Vizureanu, P., Ratoi, M., Cimpoesu, N., Electrochemical deposition of hydroxyapatite (HA) on titanium alloys for the implant surface bio-functionalization, IEEE Ehealth and Bioengineering Conference (EHB), 2013, DOI: 10.1109/EHB.2013.6707411. 5. Ştirbu, I., Vizureanu, P., Raţoi, M., Cimpoesu, R., Obtaining hydroxyapatite (HA) by sol-gel method on Ti6Al4V alloys aiming the implant's surface bio-functionalization, Ehealth and Bioengineering Conference, EHB 2013, 6707412. 6. New trends in environmental and materials engineering, 2nd Edition of the international conference of young researchers, TEME, Octombrie 28- 30, 2013, Galati, Romania, prezentare orală, P65 Ti – Alloys chemical surface functionalization.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Temneanu Mitica **Sef lucr. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Temneanu M., Tehnica reglării şi control automat, Editura PIM (Editură recunoscută CNCSIS), Iaşi, 2009, ISBN 978-606-520-386-0, 220 pag 2. Temneanu M., Metode numerice – folosite în electrotehnică, Casa de Editură "Venus" (Editură recunoscută CNCSIS), Iaşi, 2005, ISBN 973-7960-55-6, 145 pag 3. Nemescu V.M., M.Cleju, M.Temneanu, Bazele automatizării, Ed. Gh.Asachi Iaşi, ISBN 973-9178-26-X, 1995, 405 pag.
	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	1. Mircea V. Nemescu, Mitica Temneanu, Self-modulation in nonlinear electrical circuits presenting jump resonance and variable inertial damping International Journal of Circuit Theory and Applications, Vol. 42, Issue 4, 2014, DOI: 10.1002/cta.1855, pp 343, 357. Impact Factor: 1.625, Scor Relativ de Influenta: 0.85442. 2. Temneanu M., Computer assisted microactutor made from SMA/elastomer composite, Revista Metalurgia International, ISSN 1582-2214, Vol. XIV, 2009,pp. 19-23. Cotat ISI. 3. Mircea V. Nemescu , MITICA TEMNEANU Self-modulation through resonant jump variations in electromechanical systems containing nonlinear electric circuits, Revue roumaine des sciences techniques, Série Électrotechnique et Énergétique ISSN: 0035-4066, 2011, issue 3, 285-294, Cotata ISI, Impact Factor:0.059.

	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Mitica Temneanu, Feedback nonlinear systems having resonant jumps at simultaneous variation of time constant of the linear part and range of the constant-slope, saturation-type nonlinearity, International Conference on Intelligent Control, Modelling and Systems Engineering (Published in Recent Advances in Intelligent Control, Modeling and Simulation, ISBN: 978-960-474- 365-0, pp. 113-117), Cambridge, USA, 2014. Indexata BDI: GoogleScholar 2. Mitica Temneanu, Self-modulation by resonant jumps in feedback nonlinear systems at variation of transfer coefficient of linear part and slope of the constant-range, saturation-type nonlinearity, WSEAS International Conference on Modern Computer Applications in Science and Education, (Published in Modern Computer Applications in Science and Education, ISBN: 978-960-474- 363-6, pp. 70-74), Cambridge, USA, 2014. Indexata BDI: GoogleScholar 3. Mitica Temneanu, Resonant jumps in feedback nonlinear systems at simultaneous variation of time constant of the linear part and slope of the constant-range, saturation-type nonlinearity, WSEAS International Conference on Computer Engineering and Applications, (Published in Recent Advances in Computer Engineering, Communications and Information Technology, ISBN: 978-960-474- 361-2 , pp. 44-48), Tenerife, Spain, 2014. Indexata BDI: GoogleScholar 4. Mitica Temneanu, Self-modulation by resonant jumps in feedback nonlinear systems at variation of transfer coefficient of linear part and slope of the constant-range, saturation-type nonlinearity, WSEAS International Conference on Mathematical Models for Engineering Science, (Published in Advances in Mathematical Models and Production Systems in Engineering, ISBN: 978-960- 474-387-2, pp. 95-99), Brasov, Romania, 2014. Indexata BDI: GoogleScholar 5. Mitica Temneanu, Mircea Nemescu, Slow oscillations in feedback nonlinear system having variable linear part, Conference on CCSC'13, (Published in Recent Advances in Computer Science, ISBN: 978-960-474-311-7, pp. 256-260), Rhodes Island, Greece, 2013. Indexata BDI: GoogleScholar . 6. Mitica Temneanu, Slow oscillations in feedback nonlinear system having variable saturation-type nonlinearity, Conference on CCSC'13, (Published in Recent Advances in Computer Science, ISBN: 978-960-474-311-7, pp. 261-265), Rhodes Island, Greece, 2013. Indexata BDI: GoogleScholar 7. Temneanu M.,Nemescu V.M.,Cleju M., 1998, The automatic control system of floating beam's position, Proceedings of 5th International Symposium on Methods and Modells in Automation and Robotics, 25-29 Aug., Miedzyzdroje, Poland, Proceedings of the Fifth International Symposium on Methods and Models in Automation and Robotics, (vol.2)pp.533-536, ISBN 83-88764-72-4. Indexat BDI: Inspec 8. Nemescu V.M., M.Temneanu, M.Ratoi, 2006, Inteligent System for stress and friction control in textile threads, Buletinul Institutului Politehnic Iaşi, Tomul LII(LVI), fasc.5A, pp.123-129. Revista categoria B+ 9. Bujoreanu, L-G., Munteanu C., Ionita I., Temneanu M., and Kogalniceanu V.,2005, On the shape memory behaviour of Cu-based alloys and polyethylene terephthalate (PET), Buletinul Institutului Politehnic Iaşi, tomul LI(LV), fasc. 4, secţia Ştiinţa şi Ingineria Materialelor, pp. 43-50, Revista categoria B+. 10. Nemescu V.M., M.Temneanu, D.Avram, 2004, System of Automatic Control of Threads on Textile Machines, Buletinul Institutului Politehnic Iaşi, tomul L(LIV), fasc.5A, pp.87-92, ISBN 1223-8139. Revista categoria B+ 11. Nemescu V.M., V.Horga, M.Temneanu, 2004, Synthesis of the Speed Regulator for a Field-Oriented Controlled Induction Motor Drive, Buletinul Institutului Politehnic Iaşi, tomul L(LIV), fasc. 5A, pp.92-102, ISBN 1223-8139, Revista categoria B+ 12. Nemescu V.M., M.Temneanu, V.Horga , 2002, Automatic control system of the thickness of deposited asphaltic mixture layer, Buletinul Institutului Politehnic Iaşi, tomul XLVIII (LII), fasc.5B, pp.103-110, ISSN 0258-9109. Revista categoria B+

	13. Nemescu V.M. , D.Lucache , M.Temneanu, 2002 , Slow oscillations in damped nonlinear systems described by Duffing equation, Buletinul Institutului Politehnic Iaşi, tomul XLVIII (LII) , fasc. 5B, pp. 97-102,ISSN 0258-9109, Revista categoria B+ 14. Nemescu V.M. , D.Ioachim, M.Temneanu, 2000 , A single phase electromechanical converter working based on the jump resonance, Buletinul Institutului Politehnic Iaşi, tomul XLV (IL), fasc. 5 , pp.369-375, ISSN 0258- 9109. Revista categoria B+ 15. Nemescu V.M. , M.Temneanu, D.Ioachim, 2000 , Transducer for the control of the drive system of the finishing beam, Buletinul Institutului Politehnic Iaşi, tomul XLV (IL), fasc. 5 , pp.297-303, ISSN 0258-9109. Revista categoria B+ 16. M.Temneanu, Nemescu V.M. , 1999 , The automatic control of the position of the floating beam equipped with proportional distributors , Buletinul Institutului Politehnic Iaşi, tomul XLV (IL) , fasc.5A, pp. 152-156, ISSN 0258-9109. Revista categoria B+ 17. M.Temneanu , Nemescu V.M. , 1999 , The automatic control of the position of the floating beam equipped with „all-or-nothing" distributors, Buletinul Institutului Politehnic Iaşi, tomul XLV (IL) , fasc.5A, pp.148-152 , ISSN 0258- 9109. Revista categoria B+ 18. M. Nemescu, M. Cleju, M.Temneanu, 1999 , Sensor for control of the inclination angle, Buletinul Institutului Politehnic Iaşi, tomul XLV (IL) , fasc.5A, pp.126-12 , ISSN 0258-9109. Revista categoria B+ 19. V. Bulancea, L.G. Bujoreanu, A. Dima, M. Temneanu, 1997, Method for producing and training electrical actuators from an experimental Cu-Zn-Al shape memory alloy, Revista Metallurgy and New Materials Researches, Vol. V, No.4/1997, pp. 12-24. 20. M.Cleju, Nemescu V.M., M.Temneanu, 1995 , Jump fenomenon in nonlinear feedback systems with parameters slowly variable in time, Buletinul Institutului Politehnic Iaşi, tomul XLI (XLV) , fasc.5 , pp. 951-956, ISSN 0258-9109. Revista categoria B+ 21. M.Cleju, Nemescu V.M., M.Temneanu , 1995 , On the behavior of the nonlinear feedback systems of two jump resonance, Buletinul Institutului Politehnic Iaşi, tomul XLI (XLV) , fasc.5 , pp. 957-963 ,ISSN 0258-9109. Revista categoria B+
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Bujoreanu L.G., M. Temneanu, R. Ardeleanu, M. Susan, 2007, Factors influencing the bending reproductible behavior of shape memory electrical actuators, EUROMAT, B23-168, 10-13 sept., Nurnberg, Germany 2. Nemescu V.M., M.Temneanu, M.Ratoi, 2006, Measurement and Control System of Stress and Friction in Textile, 3-rd International Textile, Clothing & Design Conference – Magic World of Textiles, Proceedings, pp. 687-693, 8-11 october, Dubrovnik, Croatia. 3. Nemescu V.M., M.Temneanu, 2005, The Testing and Control System of the Yarn Tensile and Yarn Friction Forces, HIGHTEX, II International Technical Textiles Congres, pp. 288-294, Istanbul, Turcia, ISBN 441-224-3. 4. Nemescu V.M., M.Temneanu, M.Ratoi, 2005, The Testing and Control System of the Yarn Tyensile Force, ArchTex, High Technologies in Textiles Congres, pp. 56-61, Cracovia, Polonia, ISBN 83-917808-1-3. 5. Nemescu V.M., M.Temneanu, 2005, System for Control and Monitoring the Rotation Rotes on Ring Spinning Frames, STRUTEX, 12-th International Conference Strutex, Liberec, Cehia. 6. Nemescu V.M., M.Temneanu, 2000, Self Modulation in Nonlinear Feedback Systems with Jump Resonance, IEEE , Mediterranean Conference on Control & Automation, MED'2000 , Patras, Greece. 7. Nemescu V.M. , M.Cleju, M.Temneanu, 1998, On a Single Phase Reluctance Motor Based on a Jump Resonance, 8-th International Conference on Power Electronics & Motion Control, PEMC'98 , pp. 193-196, Praque, ISBN 80-01- 01832-6.

	8. M.Cleju, Nemescu V.M., M.Temneanu, 1997, Analiză comparată între sisteme şi circuite electrice neliniare , Prima Conferinţă Internaţională de Sisteme Electromecanice, SIELMEC'97, pp. 132-134, Chişinău , Republica Moldova, ISBN 9975-910-24-6. 9. Nemescu V.M., M.Cleju, M.Temneanu, 1997, Asupra fenomenului de auto modulaţie prin salturi rezonante în sisteme şi circuite neliniare, Prima Conferinţă Internaţională de Sisteme Electromecanice, SIELMEC'97, pp 126-130, Chişinău, Republica Moldova, ISBN 9975-910-24-6. 10. Nemescu V.M., M.Temneanu, M.Cleju, 1997, Sistem de control a poziţiei grinzii plutitoare, SIELMEC'97 , Prima Conferinţă Internaţională de Sisteme Electromecanice, vol.II, pp 106-110, Chişinău, Republica Moldova, ISBN 9975- 910-24-6. 11. Nemescu V.M., M.Cleju, M.Temneanu, 1996 , Metodă de studiu a circuitelor electrice neliniare, Simpozion Internaţional ELECTRO'96, vol.I , pp. 120-126 , Chişinău ,Republica Moldova , ISBN 9975-910-24-6. 12. Mircea V. Nemescu, Mitica Temneanu , Self-tunable resonant vibrating system, 6-th International Conference on Electrical and Power Engineering, EPE 2010,pp. 230-233 13. Mircea V. NEMESCU, Mitică Temneanu , Slow oscillations in electrical circuits presenting jump resonance and nonlinear damping, SNET 2009. pp. 75-80. 14. Nemescu V.M., M. Cleju, M. Temneanu, 1994 , The Measurement of Yarn Tensile Force by Phase Control , Symposium on Electronics and Telecomunications, pp.231-236. Timişoara. 15. Nemescu V.M. , M.Cleju, M.Temneanu, 1993, Comb filter usage for estimating the causes of the periodic irrequlatities, textile semiproduct and fibres , Simpozionul internaţional de Circuite şi Sisteme, SCS'93, pp.102-105 , Iaşi. 16. Nemescu V.M., M.Cleju, M.Temneanu, 1993 , The forced regime of Nonlinear Control Systems presenting jump Resonance, Simpozionul internaţional de Circuite şi Sisteme, SCS'93, pp. 62-65, Iaşi. 17. C. Fosalau, M. Temneanu, 1993, Program pentru perforarea cartelelor electronice pe un system Charly-Robot. Consideratii asupra sistemului de comanda., Simpozionul TEHNOMUS VII, Suceava, pp. 92-95. 18. C. Fosalau, M. Temneanu, 1993, Program pentru perforarea cartelelor electronice pe un system Charly-Robot. Descrierea programului., Simpozionul TEHNOMUS VII, Suceava, pp. 96-103. 19. Nemescu V.M., M.Cleju, M.Temneanu, 1992, Sistem pentru controlul mecanismului de tragere si infasurare a tesaturii, aX-a Conferinta Romana de Textile-Pielarie, Iasi, pp. 167-170. 20. Nemescu V.M. , M.Cleju , M.Temneanu , 1990 , Driving system of warp beam on weaving for automatic regulation of warp tension , A cincea Conferinţă naţională de acţionări electrice , pp.320-325 , Galaţi.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Nemescu V.M., M.Temneanu, Al.Deniş, Instalaţie pentru reglarea automată a poziţiei grinzii finisoare de pe utilaje de distribuire a mixturilor asfaltice , betoanelor şi agregatelor, Brevet de Inventie România nr. 112124 / 1998 2. Nemescu Mircea, Temneanu Mitica, Denis Alexandru, Tensometru Electronic, Brevet de Inventie România nr. RO128869-A2, RO128869-B1 / 2014. **3.** Nemescu Mircea, Temneanu Mitica, Denis Alexandru, Vibrator electromagnetic resonant autoacordabil, Brevet de Inventie România nr. 128811 / 2017
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membru in echipa de cercetare, Dezvoltarea unui nou tip de microactuator controlat prin computer din materiale compozite AMF/elastomer, cu memoria formei, Cod 275, Contract CNCSIS nr. GR80 /23.05.2007

	2. Membru in echipa de cercetare, Obtinerea materialului compozit AMF/elastomer, cu memoria formei, Cod 275, Contract CNCSIS nr. 63GR /19.05.2006 3. Membru in echipa de cercetare, Dezvoltarea unei structuri de testare si control a tensiunii si frecarii firelor textile in procesele de fabricatie a firelor si tesaturilor, Cod 534, Contract CNCSIS nr. 27637 / 2006 4. Membru in echipa de cercetare, Testarea in condiţii de laborator a elementelor multifuncţionale hidraulice şi electrice obţinute. Cod 476, Contract CNCSIS nr. 24371/24.06.2005 5. Membru in echipa de cercetare, Dezvoltarea unei structuri de testare si control a tensiunii si frecarii firelor textile in procesele de fabricatie a firelor si tesaturilorCod 534, Contract CNCSIS nr. 27637 / 2005 6. Membru in echipa de cercetare, Studiul transformărilor induse termic sau mecanic, pana la nivelul nanostructurii martensitice, in materialele multifuncţionale cu memoria formei. Aplicaţii de tip senzor şi actuator Cod 476, Contract CNCSIS nr. 33371/29.06.2004 7. Membru in echipa de cercetare, Cercetări privind retehnologizarea echipamentelor de distribuit mixturi asfaltice, betoane şi agregate prin introducerea controlului automat al nivelului materialului şi a poziţiei grinzii finisoare Cod 400, Contract CNCSIS nr. 33479 / 2002 8. Membru in echipa de cercetare, Cercetări privind retehnologizarea echipamentelor de distribuit mixturi asfaltice, betoane şi agregate prin introducerea controlului automat al nivelului materialului şi a poziţiei grinzii finisoare Cod 246, Contract CNCSIS nr. 35259 / 2001

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Ursache Silviu-Ionuț **Sef lucr. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Andrei Marinescu (Editor), Electromagnetic Compatibility / Electromagnetic Field. Research and Development in Romania [în Cap. 3, Works and Walks in ESD, developed at the Faculty of Electrical Engineering – în colectiv, Editura Agir, București, 2014.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. E. Lunca, S. Ursache, A. Salceanu, Computation and analysis of the extremely low frequency electric and magnetic fields generated by two designs of 400 kV overhead transmission lines, Measurement, Journal of the International Measurement Confederation FI-2.218, Elsevier, Vol. 124, pp. 197-204, 2018. 2. S. Ursache, E. Lunca, A. Salceanu, I. Pavel, Analysis of the influence of the current drawn by the appliance on the close magnetic field, ACTA IMEKO, Vol 7, No. 4, 2018, http://dx.doi.org/10.21014/acta_imeko.v7i4.598 3. E. Lunca, S. Ursache, Andrei Salceanu, Assessment of RF Exposure Levels Generated by WiMAX Base Stations, Environmental Engineering and Management Journal (2016), FI - 1,334. December 2016, Vol.15, No. 12, 2753-2759. http://omicron.ch.tuiasi.ro/EEMJ/ 4. S. Ursache , E. Lunca , A. Salceanu , I. Pavel, Analysis upon the influence of the current drawn by the appliance on the close magnetic field, ACTA IMEKO - e-Journal of the International Measurement Confederation, in press, 2018. 5. SILVIU URSACHE, ANDREI SĂLCEANU And OANA NEACŞU, MEASURING THE ELECTRIC AND MAGNETIC FIELDS ASSOCIATED WITH THE ELECTROSTATIC DISCHARGES, BULETINUL INSTITUTULUI

	POLITEHNIC DIN IAŞI, Tomul LXI (LXV), Fasc. 4, 2015, Index Copernicus, getCITED, Ulrich's. 6. Iuliana-Silvia GEORGESCU, Silviu-Ionuţ URSACHE, Elena-Raluca BACIU, Daniel HRIŢCU, Andrei Victor SANDU and Constantin BACIU, The Influence of Spraying Distance on the Chemical Composition of Arc Sprayed Layers, Applied Mechanics and Materials Vols. 754-755, pp 865-868, 2015, indexata în Index Copernicus Journals Master List, Google Scholar, Chemical Abstracts, Cambridge Scientific Abstracts, Inspec, etc. 7. E. Lunca, A. Salceanu, S. Ursache, Automated Measurement and Monitoring of the Electromagnetic Fields from GSM Systems, Journal of Clean Energy Technologies, Vol. 1, No. 3, pp. 174-177, 2013 (INSPEC, Electronic Journals Library, Ulrich's Periodicals Directory, ProQuest etc.). 8. E. Lunca, S. Ursache, A. Salceanu, LabVIEW Interactive Simulations for Electromagnetic Compatibility, International Journal of Online Engineering (iJOE), Vol. 8, No. 2, pp. 11-14, 2012 (INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.). 9. E. Lunca, S. Ursache, A. Salceanu, Study of the Power-Frequency Magnetic Fields in Residences and Schools, Buletinul AGIR, No. 3, pp. 689-693, 2012 (Index Copernicus, Academic Keys, getCITED). 10. E. Lunca, S. Ursache, Oana Neacsu, Graphical Programming Tools for Electrical Engineering Higher Education, International Journal of Online Engineering (iJOE), Vol. 7, No. 1, pp. 19-24, 2011 (INSPEC, SCOPUS, DBLP, DOAJ, Ulrich, EBSCO etc.). 11. E. Lunca, A. Salceanu, S. Ursache, EMC Testing Education According to the ISO/IEC 17025 Quality System Requirements, Acta Electrotehnica, Vol. 50, No. 3, pp. 214-218, 2009 (REFERATIVNYI ZHURNAL, DOAJ).
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. E. Lunca, V. David, S. Ursache, M. Cretu, On the EMF Exposure Due to Video Display Units, 5th International Conference on Electrical and Power Engineering – EPE 2008, Iasi, Romania, lucrare publicată în Buletinul Institutului Politehnic Iasi, Tomul LIV (LVIII), Fasc. 3, pp. 405-410, 2008. 2. Neacşu O., Toma L., Ursache, S.I., Rendering the measurements of the near fields associated with ESD experiments, Buletinul Instutului Politehnic din Iaşi, Tomul LIV (LIV), 2008, pp. 393-398. 3. Nicusor Manolica, Liliana Bargan and S.I. Ursache, Comparative study concerning the methods for electrostatic separation of materials, 6TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND POWER ENGINEERING, 28-30 October 2010, Iaşi,Romania, 326 – 329.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Marius Valerian Paulet, Alexandru Salceanu, Silviu Ionut Ursache, Dragos Florin Bordeianu, On the Cumulative Effect of Magnetic Fields in the Deviation Zones of Overhead High Voltage Power Lines, 11th International Conference and Exposition on Electrical and Power Engineering, 2020, 22-23 October 2020, DOI: 10.1109/EPE50722.2020.9305563, https://ieeexplore.ieee.org/document/9305563 2. A. Salceanu, E. Lunca, B.D. Alistar, S. Ursache, Upon the Influence of Charge Image on the Electric Field Intensity, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Iasi, Chisinau, Romania, 9-11 Oct. 2019, pp.1.4 www.ieeexplore.ieee.org 3. S. Ursache, E. Lunca, S. Vornicu, DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Iasi, Chisinau, Romania, 9-11 Oct. 2019, pp.1.4 www.ieeexplore.ieee.org 4. V4. Salceanu, A ; Ursache, S ; Asiminicesei, O.; Lazarescu, C., Phasing Effect on the Electric Fields Generated by High

	Voltage Overhead Power Lines, International Conference and Exposition on Electrical and Power Engineering, 759-764, ISBN:978-1-5386-5062- 2, 2018. 5. S. Ursache , E. Lunca , A. Salceanu , I. Pavel, Study on the Relationship between Magnetic Fields Generated by Home Appliances and Associated Drawn Currents, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements 2017-September, pp. 305-308, www.scopus.com 6. Eduard Lunca, Silviu Ursache , Alexandru Salceanu, Characterization of the electric and magnetic field exposure from a 400 kv overhead power transmission line in Romania, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements 2017-September, pp. 239- 243, www.scopus.com 7. Ionel Pavel, Valeriu David, Silviu Ursache, On a Survey of the Magnetic Field in a Commercial Area, 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements 2017-September, pp. 300-304, www.scopus.com. 8. Salceanu, A., Paulet, M., Ursache, S., Poenaru, M.M., 2016, Evaluating the Cumulative Exposure to Low Frequency Electric Fields, Proceedings of the9-th International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October, Iasi, Romania, 5 pages, ISBN: 978-1-5090-6129-7, 2016, bazele de date www.ieeexplore.ieee.org 9. Ursache, S.,Salceanu, Andrei, Neacsu, O., 2016, Indoor and Outdoor Measurements of the Low Frequency Magnetic Fields in an Urban Area, Proceedings of the International Conference and Exposition on Electrical and Power Engineering (EPE 2016), 20-22 October, Iasi, Romania, 4 pages, ISBN: 978-1-5090-6129-7, 2016, bazele de date www.ieeexplore.ieee.org 10. Lunca, E., Salceanu, A., Ursache, S.,Anghel, M.A., 2016, Evaluation of EMF Exposure from Digital Terrestrial Television Transmitters, Proceedings of the 21st IMEKO TC4 International Symposium and 19th International Workshop on ADC Modelling and Testing, 7-9 September 2016, Budapest, Hungary, pp. 236-239, 2016, bazele de date www.scopus.com 11. E. Lunca, S. Ursache, A. Vasniuc, Temperature monitoring system based on multiple TMP75 digital sensors and the PC's parallel port, 9th International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 15-18 (IEEE Xplore, SCOPUS). DOI: 10.1109/ATEE.2015.7133668. 12. A. Salceanu, , M. Paulet, S. Ursache, Fast Method for Determining Significant Electrical Parameters of ESD -Textiles, 9th International Symposium on Advanced Topics in Electrical Engineering – ATEE 2015, Bucharest, Romania, May 7-9, 2015, pp. 348-351, DOI: 10.1109/ATEE.2015.7133829, indexată IEEExplore. 13. A. Salceanu, E. Lunca, C. Luca, S. Ursache, Monitoring the Electromagnetic Traffic in an Intensive Care Unit, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 811-814 (ISI - Web of Science, IEEE Xplore, SCOPUS), DOI: 10.1109/ICEPE.2014.6970023 14. S. Ursache, A. Salceanu, E. Lunca, An evaluation of the measurement uncertainty for the electrostatic discharge current parameters, 8th International Conference and Exposition on Electrical and Power Engineering – EPE 2014, Iasi, Romania, Oct. 16-18, 2014, pp. 462-465 (ISI - Web of Science, IEEE Xplore, SCOPUS), DOI: 10.1109/ICEPE.2014.6969950. 15. S. Ursache, M. Paulet, Andrei Salceanu , C. Luca, Study upon the disturbing potential of TETRA electromagnetic traffic, Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on Electrical and Power Engineering, pp.433,436, 16-18 Oct. 2014, doi: 10.1109/ICEPE.2014.6969944, indexată IEEExplore. 16. Oana Neacşu, Oana Beniugă, Silviu Ursache, Marius Paulet, Modelling and analysis the current pulse associated with electrostatic discharges, International Conference and Exposition on Electrical and Power Engineering, (EPE 2012), p. 585-589,

	25, 27 Octombrie 2012, Iaşi, EPE Proceedings, ISBN: 978-1-4673-5001-3, indexată ISI Web of Knowledge, DOI: 10.1109/ICEPE.2012.6463871 17. Oana Beniugă, Răzvan Beniugă, Paul Bicleanu, Ana Nicuţă, Silviu Ursache, Wind turbine crowbar reliability related on electric charge accumulation/discharge, , International Conference and Exposition on Electrical and Power Engineering, (EPE 2012), p. 900-903, 25, 27 Octombrie 2012, Iaşi, EPE Proceedings, ISBN: 978-1-4673-5001-3, DOI: 10.1109/ICEPE.2012.6463818 18. S. Ursache, E. Lunca, A. Salceanu, M. Cretu, Introducing Mathematica Software to Electrical Engineering Students: A Way to Improve the Computational Skills, 6th International Seminar on Quality Management in Higher Education – QMHE 2010, Tulcea, Romania, Jul. 08-09, 2010, pp. 697-700 (ISI - Web of Science), www.scopus.com 19. E. Lunca, A. Salceanu, V. David, S. Ursache, EMC Education at Technical University of Iasi. From EMC Fundamentals to Measurements and Standards, 5th International Seminar on Quality Management in Higher Education – QMHE 2008, Tulcea, Romania, Jun. 12-14, 2008, pp. 341-344 (ISI - Web of Science), http://apps.isiknowledge.com/ 20. Silviu Ursache, Oana Neacşu, Andrei Sălceanu, Affordable attempt for determining the magnetic field associated with the electrostatic discharges, Proceedings of the 10th International Conference on Electromechanical and Power Systems, SIELMEN 2015, Chisinau, 8-9 October 2015. 21. Andrei Salceanu, Valeriu David, Marius Paulet, Silviu Ursache, Approach on the Compliance of Magnetic Field Emissions with the TCO Guidelines, Proceedings of the 10th International Conference on Electromechanical and Power Systems, SIELMEN 2015, Chisinau, 8-9 October 2015, Prezentare orală SIElMEN 2015, Metrology and Measurement Systems
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Dezvoltarea conceptului de cladire generator-convertor de energie regenerabila, cu autonomie energetica ridicata si acumulare in infrastructura si sol – RENERGHOME, Colab. PN II Part.21-066, 2007, valoare 90000 lei, (medie grant CNCIS-UTI 2008-107.860), membru în echipa de cercetare. 2. Stagii de practică performante pentru studenţii Universităţii Tehnice “Gheroghe Asachi” din Iaşi - PRACTIC POCU/626/6/13/130661,membru în cadrul echipei proiectului. **3.** Inserţia absolvenţilor, prin stagii de pregătire practică moderne şi eficiente, din cadrul Universităţii Tehnice „Gheorghe Asachi” din Iaşi, pe piaţa muncii – PRACTEH”, POCU/626/6/13/131181, membru în cadrul echipei proiectului.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Gabor Georgel **Asist. univ. drd. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Costică Nițucă (coord.), Ilie Nucă (coord.), Adrian Traian Plești, Gabriel Chiriac, Vadim Cazac, Marcel Burduniuc, Georgel Gabor, Adrian Moldovan, Guideline regarding the improve of the energetical performances for an electric bus, Ed. Tritonic, București, 2022, 220 pag. (în limba engleză).
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)

	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Georgel Gabor, Adrian Traian Plesca, "The PLC control of electrical system consisting in electromagnetically sliding brake and coupling", Journal of Energy Technology, JET Volume 8 (2015), p.p. 1 - 10 2018, indexată database INSPEC. 2. G. Gabor, G. Pintilie, C. Dumitrescu,C. Nituca, A. T. Plesca, "Application of Industrial PROFIBUS-DP protocol, International Conference and Exposition on Electrical and Power Engineering (EPE), 2018, indexată IEEExplore. 3. Georgel Gabor, Georgian-Cosmin Pintilie , Adrian Traian Plesca, Maricel Cardasim, "Temperature monitoring system using an infrared temperature sensor connected to a PLC", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore. 4. Georgel Gabor, Florin-Andrei Rusu , Adrian Traian Plesca, Costica Nituca, "Analysis of sliding electromagnetic coupling parameters in a PLC automation system", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore. 5. Florinel Lupoiu, Adrian Traian Plesca, Georgel Gabor, "New Solution for Cereals, Vegetables and Fruits Storage", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore. 6. Georgian-Cosmin Pintilie, Adrian Traian Plesca, Florin-Andrei Rusu ,Georgel Gabor, "New Materials for Heating Systems", 12th INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTROMECHANICAL AND ENERGY SYSTEMS – SIELMEN, 2019, indexată IEEExplore. 7. Dorin-Dumitru Lucache ,Georgel Gabor, Constantin-Catalin Dosoftei, "Integrated Learning in Electrical and Control Engineering Using an Educational Elevator System", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, , indexată IEEExplore. 8. Petru Valentin Roşu, Adrian-Traian Plesca ,Georgel Gabor, Gabriel Chiriac, "Optimizing the Operation of Photovoltaic Panel Systems", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, , indexată IEEExplore. 9. Gabriel Mocanu, Adrian-Traian Plesca ,Georgel Gabor, Maricel Adam, Mihai Andrusca, "Temperature Monitoring of the Heating Resistors of the Railway Switches from Romanian Railway System", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, indexată IEEExplore. 10. Florinel Lupoiu, Adrian-Traian Plesca ,Georgel Gabor, Gabriel Chiriac, "A New Solution of Electronic Device Proposed for Cereals, Vegetables and Fruits Storage", International Conference and Exposition on Electrical and Power Engineering (EPE), 2020, indexatăIEEExplore. 11. Nițucă, C., CHIRIAC, G., Gabor, G., Nucă, I., Cazac, V., & Burduniuc, M. (2021). GEOMETRY DESIGN AND ANALYSIS OF AN nELECTRIC BUS FOR THE INTERIOR THER-MAL MODELLING. Journal of Energy Technology, 14(2), 47-55, indexată database INSPEC 12. G. CHIRIAC, D. -D. Lucache, C. Nițucă and G. Gabor, "Aspects Regarding the Heating of Electric Buses," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, doi: 10.1109/SIELMEN53755.2021.9600435, indexată IEEE explore.

	13. G. CHIRIAC, D. -D. Lucache, C. Nițucă and G. Gabor, "Aspects Regarding the Heating of Electric Buses," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 481-486, doi: 10.1109/SIELMEN53755.2021.9600435, indexată IEEE explore. 14. Georgel Gabor, Gheorghe Livinț, "Solution for Monitoring and Remote Control Based on Modbus RTU and S7-1200 PLC", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, indexată IEEExplore. 15. Georgel Gabor, Gheorghe Livinț, "Application of S7-1200 PLC for Temperature Monitoring of a Railway Separator", 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, indexată IEEExplore. 16. Georgel Gabor, Gheorghe Livinț, "Solution for pumps control in irrigations system using S7-1200 PLC", Conferința Națională de Acționări Electrice, Timișoara, 2022, indexata ANALS of Faculty Engineering Hunedoara – International Journal of Engineering, Tome XX [2022] | Fascicule 3 [August], indexată Index Copernicus 17.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Vornicu Silviu-Constantin **Asist. univ. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1 . Eduard Luncă, Bogdan Constantin Neagu, Silviu Vornicu, capitolul Finite Element Analysis of Electromagnetic Fields Emitted by Overhead High-Voltage Power Lines, în volumul Numerical Methods for Energy Applications (editori: Naser Mahdavi Tabatabaei, Nicu Bizon), Editura Springer Cham, 2021, 27 pag., ISBN 978-3-030-62190-2.
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. E. Lunca, S. Vornicu, A. Salceanu, Numerical and Analytical Analysis of the Low-Frequency Magnetic Fields Generated by Three-Phase Underground Power Cables with Solid Bonding, Applied Sciences, Vol. 13, No. 10:6328, pp. 1-18, 2023, FI 2023 – 2,5. 2. A. Vilcu, E. Lunca, S. Vornicu, I.-V. Herghiligiu, C. Toporascu, Computerized Device for Monitoring ECG and PPG Signals – Design and Redesign Based on Value Engineering Method, Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics, Vol. 68 (72), No. 3, pp. 57-74, 2023 (EBSCO, Ulrich's, Index Copernicus, Sciendo). 3. E. Lunca, S. Vornicu, A. Salceanu, O. Bejenaru, 2D Finite Element Model for computing the electric field strength-rms generated by overhead power lines, Journal of Physics: Conference Series, Vol. 1065, pp. 1-4, 2018 (SCOPUS, IOP Science)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. E. Lunca, S. Vornicu, A. Salceanu, 3-Axis Virtual Gaussmeter for Measurement and Advanced Characterization of the

	Magnetic Fields from Overhead Power Lines, 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 551-555 (IEEE Xplore, SCOPUS). 2. M. Branzilă, S.A. Cîslariu, S. Vornicu, C. Brinzilă, Sensory System Based on Intelligent Sensors for Implementation of a Modern Weather Station, 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, 2023, pp. 1-4 (IEEE Xplore, SCOPUS). 3. E. Lunca, S. Vornicu, A. Salceanu, Numerical Modelling of the Magnetic Fields Generated by Underground Power Cables with Two-point Bonded Shields, 25th IMEKO TC4 International Symposium and 23rd International Workshop on ADC Modelling and Testing (IMEKO TC-4 2022), Brescia, Italia, September 12-14, 2022, pp. 221-226 (SCOPUS). 4. E. Lunca, S. Vornicu, I. Pavel, M. Andrusca, Measurement and Numerical Simulation of the Low-Frequency Electric Field Generated by an Overhead Power Line, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 719-722 (IEEE Xplore, SCOPUS). 5. S. Vornicu, E. Lunca, B.C. Neagu, F.C. Baiceanu, Assessment of Extremely Low-Frequency Magnetic Field from Multiple High-Voltage Overhead Power Lines in Parallel Configuration, 12th International Conference and Exposition on Electrical and Power Engineering – EPE 2022, Iasi, Romania, October 20-22, 2022, pp. 723-726 (IEEE Xplore, SCOPUS). 6. A. Salceanu, S. Vornicu, D.F. Bordeianu, C.D. Neagu, 2020, Study Upon the Influence of Bundle Configurations on Corona Losses, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6, (IEEE Xplore, SCOPUS). 7. A. Salceanu, S. Vornicu, E. Lunca, M. Istrate, Influence of High Voltage Bundle Configurations on Human Exposure, 11th International Conference and Exposition on Electrical and Power Engineering – EPE 2020, Iasi, Romania, October 22-23, 2020, pp. 1-6 (IEEE Xplore, SCOPUS). 8. E. Lunca, S. Vornicu, C. Damian, PC-Based Temperature and Humidity Recorder with USB Connectivity, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 9. S. Vornicu, E. Lunca, A. Salceanu, ANSYS Maxwell Finite Element Model for 2D Computation of the Magnetic Field Generated by Overhead High-Voltage Power Lines, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 10. S. Ursache, E. Lunca, S. Vornicu, DC Digital Gaussmeter Based on Linear Hall-Effect Sensor IC, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN 2019), Craiova, Romania, October 9-11, 2019, pp. 1-4 (Web of Science, SCOPUS). 11. S. Vornicu, E. Lunca, A. Salceanu, Computation of the Low Frequency Magnetic Fields Generated by a 12/20 kV Underground Power Line, 10th International Conference and Exposition on Electrical and Power Engineering – EPE 2018, Iasi, Romania, October 18-19, 2018, pp. 630-633 (Web of Science). 12. O. Bejenaru, C. Lazarescu, S. Vornicu and V. David, Specific Absorption Rate Evaluation in Case of Exposure of the Human Body to Radiofrequency Electromagnetic Field Generated by Mobile Communications, 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), 2018, pp. 1004-1009 (Web of Science).
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Adam Carlo-Felix **Drd. Ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Anton Mihăiță-Emanuel **Asist. univ. drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. M. -E. Anton, A. Munteanu, B. Virlan, A. Simion, I. Nacu and L. Livadaru, The Study of Influence of Rotor Flux Barriers on Electromagnetic Performance of Interior Permanent Magnet Synchronous Machine (IPMSM), 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEi), Iasi, Romania, October 17-19, 2024, pp. 547-550, doi: 10.1109/EPEi63510.2024.10758153, (IEEE Xplore). 2. M. -E. Anton, A Comparative FEM Study between Permanent Magnet and Wound Field Synchronous Machines, 7th International Conference of the Doctoral School (CSD), Iasi, Romania, May 15-17, 2024. 3. V. Bahrin, S. Aradoaei, M. -E. Anton, Direct Current Motor Speed Adjustment Via Indirect Self-Adjusting Regulator, 12th International Conference and Exposition on Electrical and Power Engineering (EPE), Iasi, Romania, October 20-22, 2022, pp. 727-730, doi: 10.1109/EPE56121.2022.9959768, (IEEE Xplore, SCOPUS).
	Invenții și brevete (punctul J din Anexa A.3.7)
	1. C.-G. Haba, M.-E. Anton, Husă de telefon cu difuzoare și lumini, Număr de publicare: 137269 A2 (număr de cerere de

	brevet de invenție: a 2021 00412).
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Balan George **Drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Balan George, Neninger Philipp & Zúñiga Enrique, Serea Elena, Lucache Dorin Dumitru, Sălceanu Alexandru, A Perspective on Software-in-the-Loop and Hardware-in-the-Loop Within Digital Twin Frameworks for Automotive Lighting Systems. Applied Sciences. 15. 8445. 10.3390/app15158445 (Q1, IF=2.5), 2025. 2. Balan George, Salceanu Alexandru, Lucache Dorin Dumitru, Study on the Use of Digital Twin in Analysis of Photovoltaic System. Bulletin of the Polytechnic Institut e of Iași. Electrical Engineering, Power Engineering, Electronics Section. 70. 61-73. 10.2478/bipie-2024-0004, 2025.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Balan George, Serea Elena, Andrei Sălceanu, A Cost-Effective Continuous Thermal Monitoring Solution for Electrical Panels Using Thermocouples, International Conference on Electromechanical and Energy Systems SIELMEN2025. 2. Philibert Andriniriniaimalaza, F., Murad, N. M., Balan George, Bilal, H., Randriatefison, N., Khoodaruth, A., Andrianirina, C. B., Ravelo, B., & Lucache, D., Hybrid Fuzzy Logic and Shading-Aware Particle Swarm Optimization for Dynamic Photovoltaic Shading Faults Miti gation, SIELMEN 2025. 3. Balan George, Serea Elena, Andriniriniaimalaza, F. Philibert, Lucache Dorin Dumitru, Sălceanu Alexandru, Nenninger Philipp, Digital Twin Approach for Headlamps Testing and Control. 1-7. 10.1109/OPTIM-ACEMP62776.2025.11075229, (OPTIM 2025). 4. Balan George, Alexandru Sălceanu , Applications of Digital Twin Systems in the Automotive Industry, 8TH International Conference of the Doctoral School, 2025 5. F. Philibert Andriniriniaimalaza, Telesphore Randriamaitso, George Balan S. Njara Rhevihaja, Lova Rakotomalala, Dorin D. Lucache. Intelligent MPPT Strategies for Vertical -Axis Tidal Turbines: Comparative Performance of Neuro-Fuzzy and Neuro-PSO Controller, Alternative Energy Sources, Materials and Technologies (AESMT'2025) 6. Balan George & Lucache, Dorin Dumitru & Sălceanu Alexandru, Using API for PV Systems Operation Monitoring and Production Estimation. 106-111. 10.1109/EPEi63510.2024.10758119, (EPEi 2024). 7. Balan George, Alexandru Salceanu, Dorin-Dumitru Lucache, Study on the use of Digital Twin in Analysis of Photovoltaic System, 7TH International Conference of the Doctoral School, 2024. 8. Balan, George, Studiu experimental privind monitorizarea îmbătrânirii izolației conductoarelor și a cablurilor din

	instalațiile electrice, în Conferințele „Instalaţii pentru construcţii şi economia de energie”, Ediţia a XXXIII-a, și „Energie, Eficiență, Ecologie și Educație”, Ediţia a VI-a, Iaşi, România, 6–7 iulie 2023. 9. Balan George, Chereches Nelu-Cristian, Lucache Dorin Dumitru, System for Monitoring Electrical Cables Condition in Building Installation. 1-6. 10.1109/SIELMEN59038.2023.10290783, SIELMEN 2023. 10. Balan George, Danila Elena, Lucache Dorin Dumitru, Critical Issues in the Design and Operation of Electrical Installations in Hospitals. 503-510. 10.1109/SIELMEN53755.2021.9600413, SIELMEN 2021.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume și prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Balan Iulian **Drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Simulation and control of a nine phase induction machine used in propulsion system for electric and hybrid vehicles, Iulian Balan, Alexandru-Iulian Timofte, Alexandru Sălceanu (prezentată în cadrul ediției a VI-a a Conferinței școlii doctorale CSD 2023). 2. Model Based Design used in teaching of BLDC Control, Iulian Balan, Alexandru- Iulian Timofte, Silvia-Nicoleta Plăcintă, Vasile Horga, Alexandru Sălceanu (prezentată în cadrul ediției a VI-a a Conferinței școlii doctorale CSD 2023). 3. Simulation and control of a nine phase induction machine used in propulsion system for electric vehicles using PPM technique, Iulian Balan, Alexandru-Iulian Timofte, Vasile Horga, Alexandru Sălceanu SIELMEN 2023. 4. A Novel Sensorless Control of a Hybrid Excitation Synchronous Machine used in the Field of Electric Traction, Alexandru-Iulian Timofte, Iulian Balan, Vasile Horga, Alexandru Sălceanu SIELMEN 2023. 5. Using Model-based Design in the Digital Control of Electrical Drives Laboratory, Iulian Balan, Alexandru-Iulian Timofte, Silvia-Nicoleta Plăcintă, Vasile Horga, Alexandru Sălceanu, OPTIM-ACEMP 2025 6. Modern Technologies Used in Powertrain Design of Electric Vehicles, Silvia- Nicoleta Plăcintă; Yannick Rauch; Patrick Rebling; Iulian Balan; Philipp Nenninger; Marian - Silviu Poboroniuc, SIELMEN 2025 7. A New Synchronous Reluctance Machine Position Observer Based on Active Flux Concept, Silvia-Nicoleta Placinta; Alexandru-Iulian Timofte; Iulian Balan; Vasile Horga; Marian-Silviu Poboroniuc, OPTIM-ACEMP 2025
	Invenții și brevete (punctul J din Anexa A.3.7)

	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Balan Lucian **Drd. Ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Balan L, HABA C.-G. - 3D System for learning to operate intraoral x-ray, care a fost trimis spre publicare. Bul. Inst. Polit. Iaşi,
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Balan L, HABA C.-G. Conferința, "3D System for learning to operate intraoral x-ray device." 8th International Conference of the Doctoral School 2025 2. Balan L, "Sistem 3d pentru învățarea utilizării aparatului de radiografie intraorală.", TECHNOVERS Expoziția de tehnologie și inovație, 2025, sub egida „Săptămâna Inovării la TUIASI" care a avut loc în perioada 2-10 iunie 2025 3. Balan L, "Simulator pentru învățarea poziționării aparatului de radiografie intraorală utilizând programul Webots." THE 29 th INTERNATIONAL EXHIBITION OF INVENTICS "INVENTICA 2025"
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Brezuleanu Mădălina **Dr. Ec.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. „DETERMINANTS OF SUBJECTIVE WELL-BEING AMONG EUROPEAN UNION`S OLDER ADULTS", autori: Alexandra Cristina Sîrbu, Mădălina Brezuleanu, Claudiu Tiganaș, Mircea Asandului, Andreea Iacobuță, revista Transformations in Business & Economics, vol.21, nr. 2A (21A), 2022, Factor de impact= 1,824 , Scor de influență = 0,161, WOS:000927592100015 2. „EFFECTS OF ECONOMIC FREEDOM ON SUBJECTIVE-WELL-BEING" Alexandra Cristina Sîrbu, Andreea Iacobuță, Mircea Asandului, Mădălina-Maria Brezuleanu, 2023, SCIENTIFIC ANNALS OF ECONOMICS AND BUSINESS,

	VOL 70,Special Issue SI, page 85-97, WOS:000992422300006, ISSN: 2501-1960 3. „ADAPTATION OF ENTREPRENEURIAL EDUCATION AND TRAINING IN ECONOMICS FOR THE STUDENTS OF „ ION IONESCU DE LA BRAD" UNERSITY OF LIFE SCIENCE (IULS) IAȘI, ROMANIA, IN THE CONTEXT OF CHARGING LABOR MARKET NEEDS", Carmen-Olguța Brezuleanu, Roxana Mihalache, Mădălina-Maria Brezuleanu, Elena Ungureanu, Alina Sirghea, SCIENTIFIC PAPER-SERIES MANAGEMENT ECONOMIC ENGINERING IN AGRICULTURE AND RURAL DEVELOPMENT,VOL.24, Issue 1, 2024, pag. 135-146, Factor de impact = 1,4, ISSN 2284-7995, E-ISSN 2285-3952. http://efaidnbmnnnibpcajpcglclefindmkaj/https://managementjournal.usamv.ro/pdf/vol.2 4_1/volume_24_1_2024.pdf 4. Carmen-Olguța BREZULEANU, Roxana MIHALACHE, Mădălina-Maria BREZULEANU (corespondent), Elena UNGUREANU, Alina SIRGHEA- Adaptation of entrepreneurial education and training in economics for the students of "Ion Ionescu de la Brad" University of Life Sciences (IULS) Iași, Romania, in the context of changinglabour market needs, Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development", Vol.24(1)2024, pag. 135-146, Factor de impact = 1,4, ISSN 2284-7995, E-ISSN 2285-3952.http://efaidnbmnnnibpcajpcglclefindmkaj/https://managementjournal.usamv.ro/pdf /vol.24_1/volume_2 4_1_2024.pdf WOS:001229070600012 5. "Qualitative Analysis of Innovative Entrepreneurship in Various Forms of Capitalism", Mădălina-Maria BREZULEANU, publicat în Proccedings The 19th Romanian Textiles and Leather Conference, Iași, pg. 353-360,DOI: https://doi.org/10.2478/9788367405829-051
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. ROMANIA IN CONTEXT OF THE NEW CHALLENGES OF THE CAP, 2016- Eduard Boghiță, Mădălina Maria BREZULEANU- în volumul: MULTICULTURAL REPRESENTATIONS-Literature and Discourse as Forms of Dialogue, Section: Communication, Journalism, Political Sciences and International Relations pag 83. Editura Arhipelag XXI Press, Târgu Mureș, ISBN: 978-606-8624-16-7, https://old.upm.ro/ldmd/LDMD-04/Cpr/Cpr%2004%2010.pdf 2. ASPECTS OF THE USE OF COGNITIVE AND METACOGNITIVE LEARNING STRATEGIES OF ECONOMIC STUDENTS CONDITIONS, 2019, Carmen Olguța Brezuleanu, Roxana Mihalache, Mădălina Maria BREZULEANU, în volumul: IDENTITY AND DIALOGUE IN THE ERA OF GLOBALIZATION– COMMUNICATION, JOURNALISM, EDUCATION SCIENCES, PSYCHOLOGY AND SOCIOLOGY, Editura Ahipelag XXI Press, ISBN 978-606-8624-19-8, pag 37, http://www.icsumures.ro/manifestari-stiintifice/2019/Brosura_Program_GIDNI_6.pdf 3. MANAGEMENT OF THE DEVELOPMENT OF THE SCHOOL ORGANIZATION IN THE POSTMODERN, 2019 Carmen Olguța Brezuleanu, Dan Donosă, Mădălina Maria BREZULEANU, în volumul: SOCIETY, IDENTITY AND DIALOGUE IN THE ERA OF GLOBALIZATION–COMMUNICATION, JOURNALISM, EDUCATION SCIENCES, PSYCHOLOGY AND SOCIOLOGY, Editura Ahipelag XXI Press, ISBN 978-606-8624- 19-8, pag 45, http://www.icsumures.ro/manifestari- stiintifice/2019/Brosura_Program_GIDNI_6.pdf 4. ASPECTS OF EDUCATION AND TRAINING OF YOUNG PEOPLE THROUGH TRANSDISCIPLINARY EDUCATIONAL PROJECTS -Carmen Olguța Brezuleanu, Mădălina Maria BREZULEANU, University of Agricultural Sciences and Veterinary Medicine Iasi, în Volumul de Lucrări ştiinţifice - Seria Zootehnie, 2019- Volumul 71, ISSN-L 1454–7368, http://www.uaiasi.ro/zootehnie/Pdf/Pdf_Vol_71/Carmen_Brezuleanu.pdf

	5. MANAGEMENT OF THE DEVELOPMENT OF THE SCHOOL ORGANIZATION IN THE POSTMODERN SOCIETY, Carmen Olguța Brezuleanu, Dan Donosă, Mădălina Maria Brezuleanu, Identity and Dialogue in the Era of Globalization, Volume 6, 2019,Section: Communication, Journalism, Education Sciences, Psycology and Sociology, pag. 45-53,Târgu-Mureș: Arhipelag XXI Press, 2019 eISBN: 978-606-8624-19-8, 6. ROMANIA UNDER THE EFFECTS OF THE TRANSITION OF THE POLITICAL REGIME, Madalina Maria BREZULEANU, Carmen Olguța BREZULEANU, Annals of "Dunarea de Jos" University of Galati, Fascicle I. Economics and Applied Informatics. Analele Universitatii "Dunărea de Jos" din Galați Fascicola I. Economie și Informatica Aplicată Print ISSN 1584-0409 http://www.eia.feaa.ugal.ro/images/eia/2021_2/BrezuleanuBrezuleanu.pdf 7. „ASPECTS REGARDING THE RELATION BETWEEN ECONOMIC FREEDOM, DEMOCRACY AND DEVELOPMENT", 2021. Mădălina Maria BREZULEANU, Lucrări ştiinţifice, Seria Agricultură, vol. 64(1), pag.205-210, ISSN 1454-7414. http://www.uaiasi.ro/revagrois/volum/Volum-64-1_2021.pdf, pag 205-210 8. „LIBERTATEA ECONOMICĂ – VECTOR AL CREȘTERII", autor: Mădălina Brezuleanu, în volumul Conferinței internaționale Economics, International Business and Cross- Cultural Communication (EIBC), nr. 2/2022, Ed. UAIC, Iași, pp. 67-74. 9. „ECONOMIC FREEDOM-MODERN SOCIETY GROWTH VECTOR", 2022-Mădălina Brezuleanu, în volumul Conferinței internaționale Lucrări Ştiinţifice – vol. 65(1)/2022, seria Agronomie 10. „ASPECTS ON ENSURING LIFE QUALITY THROUGH SUSTAINABLE DEVELOPMENT" autor: Olguța-Carmen Brezuleanu, Mădălina-Maria BREZULEANU, în volumul Conferinței Internaționale Jurnal of Applied life Sciences and Enviroment, VOL. 65, NR. 1 ISSN: 2069-7627, pag 161-168. 11. „ASPECTS RELATED TO THE IMPLEMENTATION OF EUROPEAN INSTRUMENTS, PROGRAMS AND POLICIES FOR THE PROTECTION OF THE ENVIRONMENT IN THE ROMANIAN SPACE", Carmen –Olguța Brezuleanu, Diana Elena Creangă, Mădălina-Maria Brezuleanu, Alexandru Sorin Tudoran, în volumul Conferinței internaționale International Anatolian Agriculture, Food, Environment and Biology Congress, CONGRESS BOOK E-ISBN: 978-605-80461-5-3, 2022. 12. „STUDIES ON THE RESILIENCE OF CITIZENS IN THE CONTEXT OF WELL-BEING" Galați , 2023 -Mădălina-Maria Brezuleanu, Carmen –Olguța Brezuleanu, International Conference "Risk in Contemporary Economy" ISSN-L 2067-0532 ISSN online 2344- 5386 XXIIIth Edition, 2023, Galati, România, "Dunărea de Jos" University of Galați, România – Faculty of Economics and Business Administration, pp 87-92, DOI https://doi.org/10.35219/rce20670532151 13. „A QUALITATIVE PERSPECTIVE OF RELATIONSHIP BETWEENECONOMIC FREEDOM AND INDIVIDUAL WELL-BEING", Mădălina-Maria Brezuleanu, Conferința științifică Internațională „PROMOVAREA VALORILOR SOCIAL-ECONOMICE ÎN CONTEXTUL INTEGRĂRII EUROPENE", Ediția a 6-a, 2023, pag. 138-142, ISBN: 978- 9975-3611-0-1. 14. „ASPECTS OF THE CONTRIBUTION OF THE LEADER APPROACH TO RURAL DEVELOPMENT IN ROMANIA – CASE STUDY: NORTH-EAST DEVELOPMENT REGION "-Carmen-Olguța Brezuleanu, Mădălina-Maria Brezuleanu, Roxana Mihalache, Irina Susanu, Diana Elena Creangă, Elena Ungureanu, Journal of Applied Life Sciences and Environment, https://jurnalalse.com, https://doi.org/10.46909/alse- 571123, Vol. 57, Issue 1 (197) / 2024: 37-72 15. "MANAGEMENTUL RISCURILOR ÎN MICILE AFACERI", BREZULEANU Mădălina Maria, în volumul conferinței "Conferința științifică Internațională PROMOVAREA VALORILOR SOCIAL-ECONOMICE ÎN CONTEXTUL INTEGRĂRII EUROPENE, Ediția a 7-ea " 2025, Chișinău, Rep. Moldova, pag 73-88, ISBN 978-9975-3611-4-9.3(082)

	16. „ASPECTS OF ENVIRONMENTAL PROTECTION IN ROMANIA IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT", Carmen-Olguța BREZULEANU, , Mădălina-Maria BREZULEANU, publicat în Animal & Food Sciences Journal Iasi, 2024,pag. 158-165, ISSN 2821 – 6644 17. MINIMUM STANDARD OF LIVING GUARANTEED BY CONSTITUTION, 2016.- Mădălina Maria BREZULEANU- REVISTA UNIVERSUL JURIDIC, supliment, pag. 40 ISSN2393-3445, https://revista.universuljuridic.ro/supliment/minimum-standard-living- guaranteed-constitution/
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. ȘCOALĂ ANTREPRENORIALĂ PENTRU SUSȚINEREA INIȚIATIVELOR DE AFACERI STUDENȚEȘTI INOVATIVE (SASIASI)- CNFIS-FDI-2019-0192, http://sas-usamviasi.ro/ 2. MODERNIZAREA ACTIVITĂȚII DE PREDARE-ÎNVĂȚARE-EVALUARE DIN ÎNVĂȚĂMÂNTUL SUPERIOR AGRONOMIC ȘI RESPECTAREA DEONTLOGIEI ȘI ETICII ACADEMICE CNFIS-FDI-0258- 2019 http://www.cnfis.ro/wp-content/uploads/2019/04/Rezultate_finale-FDI2019- lista_proiecte_domenii_site.pdf 3. DEZVOLTAREACOMPETENȚELOR ȘI INITIATIVELOR DE AFACERI STUDENȚEȘTI PRIN INOVARE ÎN DOMENIUL AGRONOMIC CNFIS- FDI 0247- 2020. http://www.cnfis.ro/wp-content/uploads/2020/03/FDI2020-Rezultate-finaleCNFIS-lista- proiecte-publicare.pdf\ 4. CREȘTEREA VIABILITĂȚII ECONOMICE A FERMEI PRIN OPTIMIZAREA UTILIZĂRII FACTORILOR DE PRODUCȚIE ÎN CONDIȚII DE REZILIENȚĂ LA FACTORII CLIMATICI RESPECTÂND PRINCIPIILE DEZVOLTĂRII DURABILE-Contract de consultanță și cercetare dezvoltare nr. 9762/10.07.2023 între USV Iași și SC EVEL-H COMPANY SRL, jud. Vaslui. 5. STUDII PRIVIND SEMIOTICA ȘI RETORICA ELEMENTELOR PUBLICITARE DIN DOMENIUL PREPARATELOR DIN CARNE-Contract de cercetare aplicativă nr, 6607/22.04.2024 între USV Iași și SC Industrializarea cărnii KOSAROM SA 6. DEZVOLTAREA DE SERVICII EDUCAȚIONALE DE CALITATE PRIN STAGII DE PRACTICĂ ÎN ÎNVĂȚĂMÂNTUL PROFESIONAL ȘI TEHNIC DIN DOMENIUL AGRICOL ȘI DE INDUSTRIE ALIMENTARĂ-cod proiect My Smis2021+:308587/2024, Beneficiar Colegiul Agricol și de Industrie Alimentară V. Adamachi Iași

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Ceucă Răzvan-Dumitru **As. dr. mat.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Ceucă, R.D., Taylor, J. M., Zărnescu, A. D., Effective surface energies in nematic liquid crystals as

	homogenised rugosity effects. Communications in Contemporary Mathematics, Volume 25, Issue 06, August 2023. 2. Ceucă, R.D., Cubic microlattices embedded in nematic liquid crystals: a Landau-de Gennes study. ESAIM: Control, Optimization and Calculus of Variations, Volume 27, Article Number 95, October 2021.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membru în calitate de student masterand în grantul de cercetare Mathematical methods applied in the study of nonlinear mechanical systems, PN-III-P1-1.1-TE-2016-2314, PI: Prof. Dr. Ionel-Dumitrel Ghiba, Universitatea Alexandru Ioan Cuza, Iași, România, 8 iulie 2019 – 31 octombrie 2019 **2.** Postdoc fellowship, Hausdorff Research Institute for Mathematics, Bonn, Germania, 7 ianuarie 2023 – 4 februarie 2023

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Cociu Radu **Conf. dr. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	1. Electrotehnică şi maşini electrice, 408 pagini A. Creţu, V. Dobre, R. Cociu, Ed. Cuant, 1998, Chişinău 2. Maşini electrice, 520 pagini, V. Dobrea, V.R. Cociu, Ed. Pontos, Chişinău, 2014 3. Regimurile tranzitorii ale maşinilor electrice, V.R. Cociu, 258 pagini, Ed. Pim, Iaşi, 2014 4. Elemente de electronică, V.R. Cociu, L. Cociu, 250 pagini, Ed. Pim, Iaşi, 2014 5. Elemente de electrotehnică, V.R. Cociu, L. Cociu, 140 pagini, Ed. Pim, Iaşi, 2015 6. Regimurile tranzitorii ale maşinilor electrice, V.R. Cociu, Ed. Pim, Iaşi, 2014 7. Electrotehnică şi maşini electrice, 519 pagini A. Creţu, V. Cosma, E. Creţu, A. Prisăcaru, R. Cociu, Litografia I.P.Iaşi, 1990
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Simion A., Livadaru L., Cociu V.R., Munteanu A., Study of Three-phase Induction Machine Under Dynamic Braking, Rev. Roum. Sci. Techn. – Électrotechn. et Énerg., 58, 3, p. 273–283, Bucarest, 2013, (indexat ISI proceedings) 2. V.R.Cociu, L.Cociu, On the Stator Flux of an Induction Machine Asymmetrical Supplied, EPE 2018, Iasi, oct.18-19, 2018 3. V.R.Cociu, L.Cociu, On the Main Flux of an Induction Machine Asymmetrical Supplied, EPE 2018, Iasi, oct. 18-19, 2018 4. V.R.Cociu, L.Cociu, , Park Transformation for an Asymmetrical System, Buletinul Inst. Pol. Iasi, Vol 63 (67), no. 2, 2017, Sectia Electrotehnica ,Energetica Electronica, pp.15-26 5. V.R.Cociu, L.Cociu, , On the Stator Current of an Induction Machine Asymmetrical Supplied, Buletinul Inst. Pol. Iasi,

	Vol 63 (67), no. 4, 2017, Sectia Electrotehnica ,Energetica Electronica, pp.9-19 6. Cociu R.V., Cociu Livia, Analyzing the Symmetrical Components of the Stator Current of an Induction Machine under Internal Fault., EPE 2016 9TH International Conference on Electrical and Power Engineering, 20-22 October 2016 - Iaşi, Romania, p.272-276, 2016, (indexat ISI proceedings). 7. Cociu R.V., Cociu Livia, Symmetrical Components Expression of the Stator Current of an Induction Machine under Internal Fault.., EPE 2016 9TH International Conference on Electrical and Power Engineering, 20-22 October 2016 - Iaşi, Romania, p.267-271, 2016, (indexat ISI proceedings). 8. V. Berzan, I. Ermurachi, V. Postoronca, Cociu R.V., Micro-Inverter for Photovoltaic Modules, EPE 2016 9TH International Conference on Electrical and Power Engineering, 20-22 October 2016 - Iaşi, Romania, p.626-631, 2016, (indexat ISI proceedings). 9. Cociu R.V., Cociu Livia, Transient Short Circuit Currents and Fluxes Expressions of Induction Machines, EPE 2014 8TH International Conference on Electrical and Power Engineering, 16-17 October 2014 - Iaşi, Romania, (indexat ISI proceedings). 10. Cociu R.V., Cociu Livia, Analysis of Transient Short Circuit Currents and Fluxes Expressions of Induction Machines, EPE 2014 8TH International Conference on Electrical and Power Engineering, 16-17 October 2014 - Iaşi, Romania, (indexat ISI proceedings). 11. Cociu R.V., Cociu Livia, On the Transient Short Circuit Torque Expression of Induction Machines, EPE 2014 8TH International Conference on Electrical and Power Engineering, 16- 17 October 2014 - Iaşi, Romania, (indexat ISI proceedings). 12. Cociu R.V., Cociu Livia, Optimization of a method to evaluate the fundamental frequency in real time, SIELMEN 11TH International Conference on Electromechanical and Power Systems, 11-13 October 2017 - Chisinau, (indexat IEEI). 13. Haba, C. G., Cociu, V. R., Cociu L., Mixed Mode Verification of PLC Based Control System, Proceedings of the 7th International Symposium Advanced Topics in Electrical Engineering, 12-14 May 2011 Bucharest, Romania, p.401-404, (indexat ISI proceedings). 14. Cociu, L., Haba, C. G., Cociu, V. R., Particularities of Park Transformationin Special Cases, Proceedings of the 7th International Symposium Advanced Topics in Electrical Engineering, 12-14 May 2011 Bucharest, Romania, p.455-460, (indexat ISI proceedings). 15. Cociu, V. R., Cociu, L., Haba, C. G., On Asynchronous Motor Transient for Sudden Modification of the Load Torque, Proceedings of the 7th International Symposium Advanced Topics in Electrical Engineering, 12-14 May 2011 Bucharest, Romania, p.461-466, (indexat ISI proceedings) 16. Cociu Livia, Cociu R.V., About the Bidirectional Separator Circuit Used in the Induction Machine Analysis, Bul.Inst.Polit. Iaşi, Tom LXI(LXV), fasc. 3, (Electrotehnică, Energetică, Electronică), 9-20, 2015. 17. Cociu R.V., Cociu Livia, Determining the Mathematical Expression of the Stator Currents Based on Measured Values, Bul.Inst.Polit. Iaşi, Tom LXI(LXV), fasc. 3, (Electrotehnică, Energetică, Electronică), 9-18, 2015. 18. Cociu R.V., Cociu Livia, Considerations on the Transient of the Series DC Motor, Bul.Inst.Polit. Iaşi, Tom LX(LXIV), fasc. 3, (Electrotehnică, Energetică, Electronică), 9-20, 2014. 19. Cociu Livia, Cociu R.V., The Influence of the Time at which a Short-Circuit Occurs on the Induction Machine Transient, Bul.Inst.Polit. Iaşi, Tom LX(LXIV), fasc. 3, (Electrotehnică, Energetică, Electronică), 21-30, 2014. 20. Cociu R.V., Cociu Livia, Symmerical Components Method in Induction Machine Behavior Analysis, Bul.Inst.Polit. Iaşi, Tom LX(LXIV), fasc. 3, (Electrotehnică, Energetică, Electronică), 23-38, 2014.

	21. Cociu R.V., Cociu Livia, Simplified Orthogonal Model in Terms of Fluxes for an Induction Machine Using PSpice, Bul.Inst.Polit. Iaşi, Tom LIX(LXIII), fasc. 3, (Electrotehnică, Energetică, Electronică), 95-106, 2013. 22. Cociu Livia, Cociu R.V., Critical Aspects of the Simplified Orthogonal Model in Terms of Fluxes, Bul.Inst.Polit. Iaşi, Tom LIX(LXIII), fasc. 3, (Electrotehnică, Energetică, Electronică), 107-115, 2013. 23. Cociu R.V., Cociu Livia, On the Errors when Using Simplified Orthogonal Model in Terms of Fluxes, Bul.Inst.Polit. Iaşi, Tom LIX(LXIII), fasc. 4, (Electrotehnică, Energetică, Electronică), 111-120, 2013. 24. Haba, C. G., Lucache D., Cociu, V. R., Breniuc L., Cociu L., Project Autoclusters Support for Development of Electric Mobilyty, Bul.Inst.Polit. Iaşi, Tom LIX(LXIII), fasc. 4, (Electrotehnică, Energetică, Electronică), 93-102, 2013. 25. Cociu R.V., Cociu Livia, Haba C. G., Short Overwiew about Modeling the Induction Machine using PSpice, Bul.Inst.Polit. Iaşi, Tom LVIII(LXII), fasc. 4, (Electrotehnică, Energetică, Electronică), 2012. 26. Cociu Livia, Cociu R.V., Haba C. G., About Power evaluation on Induction Machine in Steady-State and transient, Bul.Inst.Polit. Iaşi, Tom LVIII(LXII), fasc. 4, (Electrotehnică, Energetică, Electronică), 2012. 27. Cociu R.V., Cociu Livia, About Errors in Using a Simplified Equivalent Circuit of Induction Machine in Dznamic Conditions, Bul.Inst.Polit. Iaşi, Tom LVII(LXI), fasc. 5, (Electrotehnică, Energetică, Electronică), pp.(113-122), 2011. 28. Cociu Livia, Cociu R.V., An Optimized Pspice Implementation of the Three+Phase Induction Machine Model, Bul.Inst.Polit. Iaşi, Tom LVII(LXI), fasc. 3, (Electrotehnică, Energetică, Electronică), pp.(103-112), 2011 29. Cociu R.V., Cociu Livia, Some Phenomena ib the Asinchronous Machine Rotor in SteadyState and Transient Conditions Bul.Inst.Polit. Iaşi, Tom LV(LIX), fasc. 3, (Electrotehnică, Energetică, Electronică), pp.(81-88), 2009 30. Cociu Livia, Cociu R.V., Angular Position Evaluationj in Spatial Phasor Modeling Using PSpice Bul.Inst.Polit. Iaşi, Tom LV(LIX), fasc. 3, (Electrotehnică, Energetică, Electronică), pp.(89-96), 2009
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Cociu, V.R., Cociu, L., Versatile Computer Simulation of Vector-Controlled Induction Motor Drive using PSpice. microCAD'97, Feb. 1997, Miskolci. 2. Cociu, V.R., Cociu, L., Modeling of Converter-Induction Machine Assemblies Including Nonlinear and Parametric Components Using PSpice. ISEM, Braunschweig, May 1997. 3. Cociu R.V., Cociu Livia, On the transient electromagnetic torque components of the induction machine when supplying with rotor in motion. Bul.Inst.Polit. Iaşi, Tom LIV(LVIII), fasc. 4, (Electrotehnică, Energetică, Electronică), pp.(859-866), 2008 4. Cociu R.V., Cociu Livia, The influence of the rotor speed on the transient electromagnetic torque components. Bul.Inst.Polit. Iaşi, Tom LIV(LVIII), fasc. 4, (Electrotehnică, Energetică, Electronică), pp.(867-873), 2008 5. Cociu, L., Cociu, R., Analyzing the transient currents expression of the induction machine when supplying at constant speed, Bul.Inst.Polit. Iaşi, Tom LII(LVI), Fasc. 5A, (Electrotehnică, Energetică, Electronică), pp.(227-232), 2006 6. Cociu R.V., Cociu Livia, The induction machine transient currents expression when supply connecting at constant speed, Bul.Inst.Polit. Iaşi, Tom LII(LVI), fasc. 5A, (Electrotehnică, Energetică, Electronică), pp.(233-238), 2006 7. Cociu, L., Cociu, R., Angular Velocity Evaluation in Spatial Phasor Modeling Using Pspice. EPE'2004, Bul.Inst.Polit.Iaşi, Tom L(LIV), Fasc. 5C, Secţia Electrotehnică,energetică, electronică, p.(1231-1236), ISSN 1223-8139, 2004 8. Cociu, V.R., Cociu, L., On the Transients in Vector-Controlled Induction Motor Drive when the Current Minimising Method is Used.EPE'2004, Bul.Inst.Polit.Iaşi, Tom L(LIV), Fasc. 5C, Secţia Electrotehnică, energetică, electronică, p.(1237-1242), ISSN 1223-8139, 2004 2047. Cociu R., On the starting electromagnetic torque expression of a two-phase asynchronous servomotor. Bul.Inst.Polit.Iaşi, tom XLVI(L), fasc.1-2, 2000.

	9. Cociu R., Cociu L., Experimental analusys of the noice in the blow film process. Bul.Inst.Polit.Iaşi, tom XLVI(L), fasc.3-4, pp. 159-164, 2000. 10. Cociu, V.R., Cociu, L., A Pspice Model for Parametric Inductor. Bul.Inst.Polit.Iaşi, Tom XIL(IL), Fasc.5A, S.III, p.189-192, 1999. 11. Cociu, L., Cociu, R., Studies on the Error Signal in Plastic Extruder Control Systems. Bul.Inst.Polit.Iaşi, Tom XIL(IL), Fasc.5A, S.III, p.185-188, 1999. 12. Cociu, V.R., Cociu, L., Minimizing the Stator Current Method Simulation Using Pspice.Bul.Inst.Polit.Iaşi, Tom XIL(IL), Fasc.5A, S.III, p.134-137, 1999. 13. Cociu, V.R., Cociu, L., Simulation of Leakage Reactance Saturation in Induction Machines. Bul. Inst. polit. Iaşi, XLV (IL), 5A, s.III, (1999), 138-143. 14. Cociu, V.R., Cociu, L., On the Stator Currents of a Two-Phase Asynchronous Servomotor. Bul. I.P.Iaşi, tom XLII (XLVI), fasc. 3-4, sect. III, pp133-138, 1996. 15. Cociu, L., Cociu, R., A Simple Model for Blown Tube in Plastic Extruders. Bul. I.P.Iaşi, tom XLII (XLVI), fasc. 3-4, sect. III, 1996. 16. Cociu, L., Cociu, R., Traducteur optique pour le controle de la largegeur du film de polyetilene dans les instalations d'extrusion. Bul. I.P.Iaşi, tom XLI (XLV), fasc. 1-2, sect. III, 1995. 17. Cociu, V.R., Cociu, L., Considerations sur le couple electromagnetique du servomoteur asynchrone biphase. Bul. I.P.Iaşi, tom XLI (XLV), fasc. 3-4, sect. III, pp. 105-111, 1995. 18. Cociu, V.R., Cociu, L., Traducteur de courant a temps de reponse ameliore. Bul. I.P.Iaşi, tom XLI (XLV), fasc. 5, sect. III, pp. 475-480, 1995. 19. Cociu, L., Cociu, R., Dynamic Behavior of the Blow Film Process. Bul. I.P.Iaşi, tom XLI (XLV), fasc. 5, sect. III, pp. 982-987, 1995. 20. Cociu, V.R., Cociu, L., Considerations sur le rendement du servomoteur asynchrone biphase. Bul. I.P.Iaşi, tom XLI (XLV), fasc. 5, sect. III, pp. 115-122, 1995. 21. Creţu, A., Cociu, R., Creţu, E., Cociu, L., Methode de zero et appareil pour la mesure des parametres des bobines lineaires. Bul. I.P.Iaşi, tom XXXIX (XLIII), fasc. 1-4, sect. III, pp. 83-90, 1993. 22. Creţu, A., Cociu, R., Creţu, E., Cociu, L., Methode de zero pour la mesure des parametres des bobines et des condensateurs lineaires a pertes. Bul. I.P.Iaşi, tom XXXVI (XL), fasc. 3-4, sect. III, pp. 33-37, 1990. 23. Harghel, S., Cociu, R., Cociu, L. Une variante d'oscillomoteur electrique de type repulsion. Bul. I.P.Iaşi, tom XXXV (XXXIX), fasc. 1-2, sect. III, pp. 44-47, 1989. 24. Creţu, A., Cociu, R., Creţu, E., Cociu, L., Sur l'indication de la resonance dans les circuits electriques et son application dans la mesure des parametres R, L, C. Bul. I.P.Iaşi, tom XXXV (XXXIX), fasc. 3-4, sect. III, pp. 31-38, 1989. 25. Creţu, A., Creţu, E., Cociu, R., The Aperiodic Q-meter. Bul. I.P.Iaşi, tom XXXIV (XXXVIII), fasc. 1-4, sect. III, pp. 27-32, 1988
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Haba, C. G., Cociu, V. R., Cociu L., Lucache D., Project Autoclusters Results and Lesson Learned, International Conference on Electromechanical and Power Systems – Sielmen 2013, 16-18 oct. 2013, Chişinău. 2. Cociu R.V., Cociu Livia, Comparative Analysis of Induction Machine Modelling Using Pspice, Conferinţa internaţională 80 ani – UASM Chşinău, 15-17 oct., 2013. 2053. Cociu Livia, Cociu R.V., Induction Machine Behavior in Steady-

State Operatrion Using Pspice, Conferinţa internaţională 80 ani – UASM Chşinău, 15-17 oct., 2013.
3. Simion, A., Livadaru, L., Cociu V. R., Munteanu, A., Analysis of three-phase induction machine operating under transient dynamic braking by using the mathematical model in total fluxes. Simpozionul Naţional de Electrotehnică Teoretică SNET'12, 14 dec. 2012, Bucureşti.
4. Radu V. Cociu, Livia Cociu, On the Induction Machine Magnetic Field in Case of Assymetrical Supply, EPE 2010 6TH International Conference on Electrical and Power Engineering, 28-30 October 2010 - Iaşi, Romania, p.235-239, (2010).
5. Livia Cociu, Radu V. Cociu, Using the Park Transform in the Study of Asymmetrical Conditions of the Induction Machine, EPE 2010 6TH International Conference on Electrical and Power Engineering, 28-30 October 2010 - Iaşi, Romania, p.236-244, (2010).
6. Cociu, L., Cociu, R., On the Star Connected Induction Machine Operating in Asymetrical Conditions. Proceedings of the 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, Iaşi, Romania, Oct. 8-9, Vol. 2, pp.(II.296-II.298), ISBN general 978-606-520-618-2, ISBN vol.II 978-606-520-623-6 (2009)
7. Cociu, V.R., Cociu, L On the Park Transform in Case of Induction Machine Nonsinusoidal Supply. Proceedings of the 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, Iaşi, Romania, Oct. 8-9, Vol. 2, pp.(II.299-II.303), ISBN general 978-606-520-618-2, ISBN vol.II 978-606-520-623-6 (2009)
8. Cociu, V.R., Cociu, L., On the Transient Magnetizing Current Expression of the Induction Machine when Supplying at Constant Speed. Simpozionul National de Electrotehnica Teoretica, Bucuresti, 12-14 oct. 2007.
9. Cociu, L., Cociu, R., Considerations on the Transient Currents of the Induction Machine when Supplying at Zero Speed . Simpozionul National de Electrotehnica Teoretica, Bucuresti, 12-14 oct. 2007.
10. Cociu, V.R., Cociu, L., A Pspice Evaluation of the Induction Machine Steady-State.The 5th International Conference on Electromechanical and Power Systems SIELMEN'05, Chişinău, Rep. Moldova, 6-8 oct. 2005, Vol.II, pp. 838-841,ISBN 973-716-230-7.
11. Cociu, L., Cociu, R., Aspects Regarding Pspice Electrical Machines Simulation. The 5th International Conference on Electromechanical and Power Systems SIELMEN'05, Chişinău, Rep. Moldova, 6-8 oct. 2005, Vol.II, p.(842-845), ISBN 973-716-230-7.
12. Cociu, V.R., Simion, A., Minimizing the Stator Currents in Vector-Controlled Induction Motor Drives. ELECTROMOTION'97 Symposium, May 1997, Cluj-Napoca, p.101-106.
13. Cociu, V.R., Cociu, L., Traductor de turaţie cu performanţe dinamice înbunătăţite. Tehmar'96, oct. 1996, Constanţa.
14. Cociu, V.R., Cociu, L., Comanda tranzistoarelor din cadrul unei celule elementare de comutaţie. Tehmar'96, oct. 1996, Constanţa.
15. Cociu, V.R., Cociu, L., On the Error in Electromagnetic Torque Expression for the TwoPhase Induction Motors. ELECTROMOTION'95 Symposium, 25-26 May 1995, ClujNapoca, pp. 200-203.
16. Simion Al., Creţu A., Cojan M., Cociu R., Livadaru L., Mardarasevici G., Stincescu Roxana, Creşterea eficienţei şi lărgirea domeniului de utilizare a maşinilor electrice asincrone prin echiparea cu traductoare de alunecare. Sesiunea Ştiinţifică a ICPE-ME, Bucureşti, 14-15 apr., p.107-109, 1994. 20618. Cociu, R., Cociu, L. Metodă de limitare a curentului absorbit de motoarele de c.c. alimentate prin intermediul redresoarelor comandate. Progrese în construcţia motoarelor electrice până la 10kW, Piteşti, 1990.
17. Cociu, R., Cociu, L. Dispozitiv de reglare a turaţiei motoarelor de c.c. prevăzut cu limitarea curentului absorbit prin limitarea unghiului de conducţţie. Progrese în construcţia motoarelor electrice până la 10kW, Piteşti, 1990.

	18. Simion, A., Cojan, M., Cociu, R., Cociu, L., Consideraţii privind caracteristicile de funcţionare a motoarelor asincrone monofazate. Sesiunea jubiliară de comunicări ştiinţifice "Contribuţia învăţământului politehnic la dezvoltarea ramurilor de vârf ale industriei din România", vol. III, secţ. Electrotehnică, pp 233-236, Iaşi, 1988
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Cociu, L., Goras, L., Cociu, R. Traductor pentru determinarea abaterii diametrului balonului din polietilena în instalatii de extrudere. Brevet nr. 98996, 1989, România. 2. Cociu, L., Cociu, R, s.a. Procedeu si instalatie pentru mentinerea diametrului balonului din polietilena în instalatii de extrudere în cazul racirii interioare. Brevet nr. 99014, 1989, România. 3. Harghel, S., Cociu, R., s.a. Oscilomotor electric cu comutatie electrica. Brevet nr. 98590, 1989, România. **4.** Cretu, A., Cociu, R., Metoda si aparat pentru masurarea parametrilor bobinelor si condensatoarelor. Brevet nr. 100524, 1989, România.
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Contor inteligent bazat pe evaluarea semnăturii energetice Proiect PN2- PCCA - Tip 2 Contract nr. 30/2012 Valoare contractată: 1.113.000 lei Perioada de derulare: 2012-2015 Director: Prof.dr.ing. Marinel TEMNEANU 2. Analiza asistată de calculator a riscului producerii loviturilor directe de trăsnet în echipamentele de 400/110 kV ale staţiei de transformare Roman Nord. Analiza comparată a metodei normate şi a metodei electrogeometrice. Beneficiar: CN Transelectrica SA, Sucursala de Transport Bacău, 2012. Tema 8731/25.05.2012 Valoare 77000+TVA RON Contract obţinut prin procedura de licitaţie deschisă - publicată pe SEAP Director: Prof.dr.ing. Macel ISTRATE 3. Studiu privind posibilitatea de apariţie a supratensiunilor la conectareadeconectarea maşinilor asincrone la reţea. Beneficiar: Enerconstruct Servicii – Bucureţti, 2009 Director: Conf .dr. ing. Voinea Radu COCIU 4. AUTOCLUSTERS - The international cooperative network of educational and research institution with subcontractors and other bodies active in Automotive Industry, SEE EoI/A/594/1.2/X, Transnational South East Europe Program, Valoare UTI 170000 EUR, 2009-2011. 5. Studiul câmpului, proiectarea şi realizarea unor modele experimentale de motoare electrice de construcţie specială - SCAPREME Contr.nr.6177-2000, ANSTI 6. Calculul câmpului, proiectarea şi experimentarea unor motoare sincrone de construcţie specială Contract nr. 35259/2001, Cod 247 CNCSIS/Tema 43 7. O nouă calitate în pregătirea practică 'a studenţilor folosind laboratoare multifuncţionale de electrotehnică (PRELAB) Grant cu Banca Mondială, prin CNFIS, cod 98, Program Major 1999-2001 8. Studii asupra posibilităţilor de utilizare a motoarelor asincrone bifazate în acţionările reglabile CNCSU-Grant 600/cod11.2.1-1996 9. Cercetări privind creşterea performanţelor tehnice şi economice ale maşinilor şi transformatoarelor electrice şi ale sistemelor de comandă aferente Grant 528/1995-CNCSU-1995 10. Creşterea eficienței și lărgirea domeniului de utilizare a maşinilor asincrone echipate cu traductoare de alunecare 1.C.P.E.-M.E.Bucureşti, 1994 11. Oportunitatea tehnico-economică a echipării maşinilor asincrone trifazate cu traductoare de alunecare 1.C.P.E.-M.E.Bucureşti, 1993 12. Modernizarca instalației de extrudere tip MEP 460 1.C.P.C.M.P. Bucureşti, 1989.

	13. Dispozitiv pentru controlul debitului de aer LC.P.C.M.P. București, 1988. **14.** Dispozitiv pentru automatizarea procesului de răcire interioară în vederea obţineriidimensiunilor constante ale foliilor din polietilenă.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Doboș Ioan-Marian **Asist. univ. drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Prim-autor: I. -M. Dobos, A. Munteanu, B. Virlan, I. Nacu, L. Livadaru and A. Simion, A Study on a Linear Actuator for the Electromagnetic Aircraft Launch System, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 676-680, doi: 10.1109/EPEi63510.2024.10758090, (IEEE Xplore). 2. Autor secundar: B. Virlan, A. Munteanu, I. -M. Dobos, I. Nacu, L. Livadaru and A. Simion, A Study Regarding the Rotor Configuration of a High-power Density PMSM for Formula Student Race Car, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 2024, pp. 291-296, doi: 10.1109/EPEi63510.2024.10758116, (IEEE Xplore).
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Filip Tudor **Asist. univ. drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1.Tăchiță Vlad-Bubulac, Diana Serbezeanu, Elena Perju, Dana Mihaela Suflet, Daniela Rusu, Gabriela Lisa, Tudor-Alexandru Filip, Marius-Andrei Olariu, "Multifaceted Nanocomposites Combining Phosphorylated PVA, MXene, and Cholesteric Liquid Crystal: Design and Application Insights", Nanomaterials, 1251, 2025. 2.Ina Turcan, Tudor Alexandru Filip, Tăchiță Vlad-Bubulac, Daniela Rusu and Marius Andrei Olariu,

	"Dielectrophoretic direct assembling of Mxene flakes at the level of screen-printed interdigitated microelectrodes and their evaluation in gas sensing applications", 2D Materials, 2024. 3.Marius Andrei Olariu, Tăchiță Vlad-Bubulac, Tudor Alexandru Filip and Ina Turcan, "Dielectric anisotropy in selfassembling MXene-based lyotropic nematic compounds", J. Phys. D: Appl. Phys., 2024. 4.Marius Andrei Olariu, Tudor Alexandru Filip, Catalina Anisoara Peptu and Ina Turcan, "Screen-printed interdigitated microelectrodes employment in dielectrophoretic manipulation of MWCNTs", Microchimica Acta, 2023. 5.Olariu MA, Herrero R, Astanei DG, Jofré L, Morentin J, Filip TA, Burlica R. Improving Printability of Polytetrafluoroethylene(PTFE) with the Help of Plasma Pre-Treatment. Polymers. 3348, 2023. 6.M. A. Olariu , C. Tucureanu, T. A. Filip, I. Caras, A. Salageanu, V. Vasile, M. Avram, B. Tincu, I. Turcan, ,, HT-29 Colon Cancer Cell Electromanipulation and Assessment Based on Their Electrical Properties'', Micromachines 2022. 7.Tudor-Alexandru Filip, Mădălina-Petronela Simion, Ina Țurcan, Marius-Andrei Olariu, ,,An Overview and Current Challenges in Respect to Screen-Printed Electrochemical Electrodes Employability as Disposable Biosensors'', Bulletin of the Polytechnic Institute of Iași. Electrical Engineering, Power Engineering, Electronics Section, vol. 70, no. 1, Gheorghe Asachi Technical University Iasi, pp. 35-60, 2024 8. -A. Scarlatache, M. A. Olariu, F. Scarlatache, S. Aradoaei, T. A. Filip and M. P. Simion, "Modeling and Simulation of Regenerative Braking Systems Using MATLAB System Composer and Simulink," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, pp. 1-6, 2025. 9. -P. Simion, I. Turcan, T. A. Filip and M. A. Olariu, "Monitoring Yeast Cells Behaviors by Electrical Impedance Spectroscopy," 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, pp. 1-4, 2024. 10. T. A. Filip, I. Turcan, C. -C. Simota, D. G. Astanei and M. A. Olariu, "Fabrication and Preliminary Evaluation of Flexible Screen-Printed Resistive Voltage Divider," 2023 International Conference on Engineering and Emerging Technologies (ICEET), Istanbul, Turkiye, pp. 1-4, 2023. 11. -A. Scarlatache, S. Aradoaei, M. A. Olariu, F. Scarlatache, T. A. Filip and R. Simionescu, "Electric Vehicle Architecture Modeling Based on MATLAB and SysML for Discrete and Continuous Simulation," 2023 International Conference on Electromechanical and Energy Systems (SIELMEN), Craiova, Romania, pp. 1-5, 2023. 12. T. A. Filip, I. Turcan, V. A. Scarlatache, A. Dragomir, M. A. Olariu, ,,Electric Field Numerical Modeling and Simulation of V-Shaped Interdigitated Microelectrodes'', 2022 International Conference on Engineering and Emerging Technologies (ICEET), 2022. 13. A. Scarlatache, S. Aradoaei, M. A.Olariu, T. A. Filip, F. Scarlatache, G. Gheorghian, ,,Continuous Improvement in Education Based on Deming Model in Worldwide Context'', 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), 2022. 14.A. Scarlatache, M. A. Olariu, S. Aradoaei and T.A. Filip, "An Overview on Nonvolatile Memories Used in Automotive Industry," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), pp. 517-520, 2021
	L ucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Tudor-Alexandru Filip, Mădălina-Petronela Simion, Ina Țurcan, Marius-Andrei Olariu, ,,Utilization of Screen-

	Printed Interdigitated Electrodes in Dielectrophoretic Manipulation of Nano- and Microtargets'', 18th National Conference of Biophysics (CNB 2024), 5-7 septembrie 2024, Iași, România (poster). 2. Tudor-Alexandru Filip, Ina Turcan, Marius-Andrei Olariu, ,,Hands-on study on dielectrophoretic direct assembling of MXene flakes'', DIELECTROPHORESIS 2024, 1 iulie 2024, Dublin, Irlanda (prezentare orală). 3. Tudor-Alexandru Filip, Ina Turcan, Marius-Andrei Olariu, ,,Analysis of screen-printed electrodes' architectures based on electric field numerical simulation and modelling'', 6th International Conference of the Doctoral School, 17-19 mai 2023, Iași, România (prezentare orală-online) 4. Tudor-Alexandru Filip, Ina Turcan, Vlad Andrei Scarlatache, Marius Andrei Olariu ,,In-depth critical review on importance of optimal design parametrization of CE vs. WE dimensional ratio'', 5th International Conference of the Doctoral School, 18-20 mai 2022, Iași, România (prezentare orală-online) 5. Tudor-Alexandru Filip, Corneliu Hamciuc, Tăchiță Vlad-Bubulac, Ina Țurcan, Marius Olariu, ,,Dielectric properties of polyvinyl alcohol composites with improved ionic conductivity'', 23rd YUCOMAT 2022, 29 august – 2 septembrie 2022, Herceg-Novi, Muntenegru (poster)
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Ghindă Iulian Dumitru **Drd. ing.**	**Cărţi publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Iulian Ghinda, Codrin Donciu – OFDM Benchmark for Demodulation Impairments Evaluation, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE 2. Iulian Ghinda, Codrin Donciu –OFDM based on FFT decoder with non-integer argument, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE 3. Eugen Harasim, Iulian Ghinda, Codrin Donciu –Video coordination system for textile manufacturing process, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE 4. Eugen Harasim, Iulian Ghinda, Codrin Donciu – Mini patterns algorithm for industrial applications, 2018 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE 5. Catalin Damian, Daniel Grigorescu, Iulian Ghinda, Maria Robu – Using Mono and Stereo Camera System for Static

	and Moving Objects Detection, 2019 International Conference on Electromechanical and Energy Systems (SIELMEN), Chisinau, Republica Moldova, Conference Paper, Publisher : IEEE 6. Iulian Ghinda, Codrin Donciu - Distance measurements using 40L16 ultrasonic sensors, 2020 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE 7. Iulian Ghinda, Codrin Donciu - Distance measurement using the sound card of a computer and two microphones, 2021 International Conference and Exposition on Electrical And Power Engeeniring (EPE), Iasi, Romania, Conference Paper, Publisher : IEEE
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Mitocaru Alexandru **Drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. D. C. Irimia, A. Mitocaru, A. G. Baciu, M. S. Poboroniuc, Steady-State Visual Evoked Potentialsbased Control of a Mobile Robot Platform as a Preamble to Support Paraplegics Mobility, 2019 EHealth and Bioengineering Conference (EHB), November 21-23 2019, Iași, Romania 2021 2. A. Mitocaru, M. S. Poboroniuc, D. C. Irimia, A. G. Baciu, Comparison Between Two Brain Computer Interface Systems Aiming to Control a Mobile Robot, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 06-08 2021, Iași, Romania 3. R. Ionașcu, A. I. Roman, M. S. Poboroniuc, D. C. Irimia, A. Mitocaru, A Smart FES and Mechatronic Glove System MANUTEX Aiming for Recovery of the Upper Limb in Stroke People, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), October 06-08 2021, Iași, Romania 4. M. S. Poboroniuc, D. C. Irimia, R. Ionașcu, A. I. Roman, A. Mitocaru, A. G. Baciu, Design and Experimental Results of New Devices for Upper Limb Rehabilitation in Stroke, 2021 International Conference on e-Health and Bioengineering (EHB), November 18-19 2021, Iași Romania 2022 5. A. Mitocaru, M. S. Poboroniuc, D. C. Irimia, S. Placintă, A.G. Baciu, Brain-Computer Interface Based Control for a Humanoid Robot,2022 International Conference and Exposition on Electrical And Power Engineering (EPE), October

	20-22 2022, Iași, Romania 6. S. Plăcintă, M. S. Poboroniuc, D. C. Irimia, A. Mitocaru, Extending the Control's Number in Motor Imagery Based Brain-Computer Interfaces Applications, 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), October 20-22 2022, Iași, Romania 7. R. Ionașcu, M. S. Poboroniuc, A. I. Roman, A. Mitocaru, T. Piseru, E. A. Piseru, D. C. Irimia, Hybrid FES & Mechatronic Hand Control Method for Upper Limb Rehabilitation Systems, 2022 EHealth and Bioengineering Conference (EHB), November 17-18 2022, Iași Romania 2023 8. M. S. Poboroniuc, A. I. Roman, R. Ionașcu, T. Piseru, A. Piseru, D. C. Irimia, A. G. Baciu, A. Mitocaru, Hybrid fes&mechatronic devices aiming to assess and support rehabilitation in stroke people,THE 27th INTERNATIONAL CONFERENCE OF INVENTICS "INVENTICS 2023-Science of Creativity", June 21-23 2022, Iași, Romania 9. A. Mitocaru, M. S. Poboroniuc, A. G. Baciu, D. C. Irimia, Animated application to control humanoid robot through a brain-computer interface, The VII th International Fair of Innovation and Creative Education for Youth (ICE-USV), July 07-09 2023, Suceava, Romania 10. M. S. Poboroniuc, R. Ionașcu, A. I. Roman, A. Piseru, T. Piseru, D. C. Irimia, A. Mitocaru, A. G. Baciu, Clinically tested mechatronic devices for hand rehabilitation, The 15th Edition European Exhibition of Creativity and Innovation EUROINVENT, Mai 11-13 2024, Iași România 2024 11. A. Mitocaru, A. Buzamat, M. S. Poboroniuc, D. C. Irimia, A. G. Baciu, Brain Computer Interface Controlled Humanoid Robot, 2024 E-Health and Bioengineering Conference (EHB), IASI, Romania, 2024, pp. 1-4, doi:10.1109/EHB64556.2024.10805718.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din țară și/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Pingescu M. Bogdan-Andrei **Asist. univ. drd. ing.**	**Cărţi publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1.
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. C.R. Beniugă, B.A. Pingescu, O.C. Beniugă, A. Dragomir, D.G. Astanei, R. Burlică, „Photovoltaic Panel System with Optical Dispersion of Solar Light for Greenhouse Agricultural Applications", Agriengineering, vol. 7, issue 4, art. no. 125, 2025,

	WOS: 001474731900001, factor de impact (2024) 3 – Q2
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. B. Pingescu, D. Astanei, R. Burlică, V.D. Asmarandei, O.B. Beniugă, V. Gheorghe, Capacitive Power Supplies for Non-Thermal Plasma Electrochemical Mini-Reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 632-635, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758134 2. A. Dragomir, M. Adam, D.-G. Astanei, B.-A. Pingescu, A.-D. Paizan, A. Bodoga, Digital Communication Capabilities of Low Voltage Circuit Breakers, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 176-181, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758137 3. B.-A. Pingescu, V. D. Asmarandei, D. G. Astanei, O. C. Beniugă, C. R. Beniugă, R. Burlică, High conductivity solution treatment by non-thermal plasma T-shaped mini electrochemical reactors, Proc. of the 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), pp. 616-619, 17-19 oct. 2024, Iasi, Romania, DOI: 10.1109/EPEi63510.2024.10758144 4. Vasile-Daniel Asmarandei, Bogdan-Andrei Pingescu, Radu Burlică, Petronela- Camelia Oprea, Răzvan Beniugă, Dragoș Astanei, „Non-Thermal Plasma Treatment Of Acetone-Polluted Wastewater From Chemical Industry Processes” – TUIASI 8th International Conference of Doctoral School (CSD2025), pg. 117, May 202, Iași, 5. Bogdan-Andrei Pingescu, Daniel Asmarandei, Dragoș Astanei, Oana Beniugă, Răzvan Beniugă, Radu Burlică,„Green Nitrate And Hydrogen Peroxide Synthesis By Non-Thermal Plasma Reactors For Agricultural Applications” – 13th International Conference On Environmental Engineering And Management 17-20 Sept. 2025 (ICEEM 2025) 6. Bogdan-Andrei Pingescu, Radu Burlica, Dragos-George Astanei, Constantin- Bogdan Paduraru, Ionut-Alexandru Covali, Daniel Asmarandei „Preliminary Assessment of a Non-Thermal Plasma Reactor Producing Hydrogen Peroxide and Nitrate for Water-Soluble Dye and Organic Compound Degradation” - Global Conference for Decarbonization of Energy and Materials (GC-DEM 2025) 16-19 oct. 2025, Singapore 7. Covali, R. Burlica, D. Astanei, B. Pingescu, A. Anton, M Andrusca, DC Circuit Breaker with rotary contacts, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chișinău, Republica Moldova 8. O. Beniugă, B. A. Pingescu, C. R. Beniugă, D. G. Astanei, F. Lebeau, R. Burlică Enhancing Reactive Species Availability for Plant Growth Through Plasma-Activated Water Integration in Sustainable Farming, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chișinău, Republica Moldova 9. C.R. Beniuga, M. Tirșu, Mihai; R. Burlica, D.G. Astanei, B.A. Pingescu, O.C. Beniuga, Pathways to Efficient Agrivoltaics Through Functional Requirements and Light Dispersion Constraints for Photovoltaic Greenhouses, Proc. of 15th International Conference on Electromechanical and Energy Systems – SIELMEN 2025, 16-17 oct 2025, Chișinău, Republica Moldova.
	Invenții și brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Membru proiect Evaluarea impactului utilizării tehnologiei cu plasmă non-termică asupra creșterii și dezvoltării plantelor în agricultura de interior, Proiect tip PN-IV-P8- 8.3-PM-RO-BE-2024-0011-AgriPAW, cooperări bilaterale cu Belgia – Universitatea din Liege, perioada 2024-2025 (12 luni) cu finanțare UEFISCDI și WBI, director de proiect conf. dr. ing. Răzvan

	Beniugă 2. Membru proiect Integrarea sinergetică a panourilor fotovoltaice complexe cu sistem de dispersie a luminii și tehnologiilor de producere a apei activate cu plasmă non- termică în agricultura durabilă în sere, Proiect tip PN-IV-PCB-ROMD-2024-0382- SynFarm, cooperări bilaterale cu Republica Moldova – Universitatea Tehnică din Moldova, perioada 2025-2027 (24 luni), director de proiect conf. dr. ing. Răzvan Beniugă 3. Membru proiect IRP (International Research ProjecT): Reactoare cu plasmă non- termică pentru degradarea diferiților compuși din apele uzate, cooperări bilaterale cu Franța – Université d'Orléans, GREMI, UMR 7334 CNRS.

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Prisăcaru Gh. Gheorghe **Prof. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	1. Marta, Constantin; Doroftei, Ioan; Prisacaru, Gheorghe; Hamat, Codruta; Suciu, Lenuta; Zgardea, Emanuel, CHAPTER 44 -Balls casting simulation and practice for hadfield stell , DAAAM INTERNATIONAL SCIENTIFIC BOOK, VOL.8, pp. 427-442, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-901509-69-8, ISSN 1726-9687, VIENNA, 2009 2. "Platforme mecatronice pentru educatie si cercetare" – coordonator prof.dr.ing. Vistrian Maties, capit. Educatie si cercetare mecatronica la Universitatea Tehnica Gheorghe Asachi din Iasi, Ed. TODESCO-ISBN 978-973-7695-79-6, 2016, co-autori Gh. Prisăcaru, D. Olaru (25 pag.)
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. Constantin Bucsan, Mihai Avram, Gheorghe Prisacaru - Servovalve with shape memory alloy wire actuator, Romanian Review Precision Mechanics, Optics & Mechatronics, nr. 44 / 2013, p. 102 – 104,ISSN: 1584-5982 (cotat B+, indexat EBSCO) 2. Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Stelian Vlad, Determining the stress-strain curve of PDMS-SiO2-TiO2 electroactive polymers, Mechanical Testing and Diagnosis, 2012 (II), Volume 2, 54- 61, ISSN 2247 – 9635 (cotat B, indexat COPERNICUS) 3. Vlad Cârlescu, Florin Breabăn, Dumitru Olaru, Gheorghe Prisăcaru, Experimental methods for measuring the field-induced strain response of dielectric elastomers, Buletinul Institutului Politehnic din Iaşi, Tomul LVII (LXI), Fasc. 2, 2012, Secţia Construcţii de Maşini, pp. 157-164, ISSN 1011-2855 (cotat B+, indexat COPERNICUS, ULRICHS). 4. Al. Budel, D. Olaru, Gh. Prisacaru – Ball kinematics in a linear recirculating szstem with four contact points – analitical mode, Buletinul Institutului Politehnic din Iași, Tomul LVII (LXI), Fasc. 2, 2012, Secţia Construcţii de Maşini, pp. 207-214, ISSN 1011-2855 (cotat B+, indexat COPERNICUS, ULRICHS). 5. Vlad Cârlescu, Petru, Marian Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru - Modeling and Simulation of The Electromechanical Response in Planar Electroactive Polymer Actuators, pag. 209-212, Romanian Review Precision Mechanics, Optics & Mechatronics, nr. 40 / 2011, ISSN: 1584-5982 (cotat B+, indexat EBSCO) 6. Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Maria Cazacu, Transverse strain response measurements of some dielectric elastomer polymers, Proceedings of the 15th International Conference Modern Technologies, Quality and Innovation – ModTech 2011 – New face of TMCR, Vol.1, pg.177-180, 25-27 Mai 2011, Vadul lui Voda-Chisinau, Republic of Moldova, ISSN 2069-6736 (IET Inspec Direct) 7. Florin Breabăn, Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, J. Coutte, Laser scanning vibrometry applied to

	non-destructive testing of electro-active polymers, COMEFIM 10 – The 10-th International Conference on Mechatronics and Precision Engineering, 19 – 21 Mai 2011, Scientific Bulletin Series D : Mechanical Engineering, Volume 73, Issue 2, ISSN 1454-2358. (cotat B+, indexat ULRICHS, SCOPUS, INSPEC). 8. Mitică Manea, Gheorghe Prisăcaru - Comparative studies of non-contact seals, BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI, Iaşi, Tomul LVII (LXI), Fasc. 2, 2011, Secţia CONSTRUCŢII DE MAŞINI , p.13-20. (cotat B+, indexat COPERNICUS, ULRICHS) 9. Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Tribological aspects of electrode-elastomer contact, Proceedings of Rotrib'10, 11th International Conference of Tribology, Iasi, 4-6 Novembre, 2010, THE ANNALS OF UNIVERSITY "DUNĂREA DE JOS" OF GALAŢI FASCICLE VIII, 2010 (XVI), Issue 2, ISSN 1221-4590, (CSA - Cambridge Scientific Abstract) 10. Vlad Cârlescu, Dumitru Olaru, Gheorghe Prisăcaru, Micro-displacements study of some dielectric elastomer electroactive polymers as potential actuators, Buletinul Institutului Politehnic din Iaşi, Tomul LVI (LX), Fasc. 4, 2010, Secţia Construcţii de Maşini, ISSN 1011-2855 (cotat B+, indexat COPERNICUS, ULRICHS). 11. Dumitru Olaru, Vlad Cârlescu, Gheorghe Prisăcaru, Electrostrictivity Study of Some Polymers as Potential Actuators, The Romanian Review Precision Mechanics, Optics & Mechatronics, 2009 (19), No. 35, 119-121, ISSN 1584-5982 (cotat B+, indexat EBSCO) 12. Olaru D.N., Stamate, C., A.C. Dumitrascu, Prisăcaru, Gh., Experimental Investigations of Rolling Friction in Mechatronics Microsystems, 2009, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, 52, vol. III, pp329 - 332, (2009). (Index Copernicus) 13. Olaru, Dumitru; Prisacaru, Gheorghe; Lorenz, Peter; Rudy, Dietmar. - Friction Losses in a Linear Ball Rolling Guidance System with Gothic - Arch Grooves, Mecatronica, 2004, Issue 2, pp.64-71, 8p (EBSCO) 14. Olaru, Dumitru; Lorenz, Peter; Prisacaru, Gheorghe - About friction coefficient in the micro linear rolling systems for MEMS applications. , Mecatronica, 2004, Issue 3, p77-82, 6p (EBSCO) 15. D. N. Olaru, P.Lorenz, D. Rudy, Gh. Prisacaru, D. Antaluca - Friction in the Circular – Arc Grooves Linear Rolling Guidance System, The Annals of "Dunarea de Jos"University of Galati, Fascicle VIII, Tribology, vol. II, 2003, pp.86-93, ISSN 1221-4590 16. Gheorghe Prisacaru, Dumitru Olaru, Carmen Bujoreanu - The tribological study on linear guidance systems, The Annals of "Dunarea de Jos"University of Galati, Fascicle VIII, Tribology, vol. II, 2003, p.112- 116, ISSN 1221-4590 (CSA - Cambridge Scientific Abstract) 17. S. Cretu, Gh. Prisacaru, N. Mitu – Lubrication regimes on the rib-roller end contacts in cylindrical lbearings, Tribology in Industry, vol. 18, nr.1, 1996, p.28-32. YU ISSN 0351-1642. (Scopus) 18. Gh. Prisacaru, I. Bercea, S. Cretu, N. Mitu - Load distribution in a cylindrical roller bearing in high speed and combined load, European Journal of Mechanical Engineering, vol. 40(1), 1995, p.19-25. ISSN 0035-3612 [Se afla la adresa http://www.bsmee.be/ejmee.html sub noua denumire de European Journal of Mechanical and Environmental Engineering (EJMEE))] Se afla in baza de date Genamics Journal Seek (http://journalseek.net/cgi- bin/journalseek/journalsearch.cgi?field= issn&query=0035-3612 si SCOPUS Articol/studiu publicat în revistă de specialitate neindexată în baze de date 19. Simona Morariu, Maria Bercea, Gh. Prisacaru, C. Stamate: Electrostrictive Properties of LiClO4/Ethylene Carbonate/Poly(Acrylonitrile) Gels, Buletin I.P. Iasi, (2008), Fasc. IV, Tomul LIV (LVIII), pp. 229-238, ISSN: 1011-2855. 20. Gh. Prisacaru, D.N. Olaru, C. Stamate, Simona Morariu, Maria Bercea: Electroresponsive Polymeric Gels Based on

	Poly(Acrylonitrile) and Poly(Vinyl Alcohol), Buletin I.P. Iasi, (2008), Fasc. IV, Tomul LIV (LVIII), pp. 221-228, ISSN: 1011-2855. 21. D. N. Olaru, P. Lorenz, Gh. Prisacaru,: Experimental Procedure to Determine Friction Coefficient in Micro Rolling Tribosystems, Buletin I.P.Iasi, Tomul LI (LIV), Sectia Constructii de Masini, 2005, pp.447- 454 22. Gh. Prisacaru, Sp. Cretu, N. Mitu - The simulation of tribologycal interactions in cylindrical roller bearing, Buletinul Institutului Politehnic din Iasi, 2004, fasc.6A, p.245-255, ISSN 1011-2855 23. D. Olaru, Gh. Prisacaru, P. lorenz, G. puiu, V. Puiu- A new model to estimate friction torque in a screw ball system, Buletinul Institutului Politehnic din Iasi, 2004, fasc.6A, p.395-406, ISSN 1011-2855 R28. Gh. Prisacaru, D. Olaru - Invatamant si cercetare in domeniul mecatronicii la Iasi, Mecatronica, nr.1, 2003, p.23-28., ISSN 1583-7653 24. Gheorghe PRISACARU, Spiridon CRETU, Carmen BUJOREANU - Experimental study on the cylindrical roller bearing with different rib-roller end contact geometries, Buletinul I.P.Iasi, Tom XLVI (L), fasc. 3-4, 2000, p. 19-31 25. Gh. Prisacaru, S. Cretu - Study on the rib-roller end contacts lubrication in cylindrical roller bearings;Part 3-Experimental investigations,Buletinul I.P.Iasi, Tom XLVI (L), Supliment Mecanica fluidelor, Sectia Constructii de masini, 2000, p.573-578. 26. Gh. Prisacaru, S. Cretu, N. Mitu. - Study on the rib-roller end contacts lubrication in cylindrical roller bearings;Part 2-Numerical results,Buletinul I.P.Iasi, Tom XLVI (L), Supliment Mecanica fluidelor, Sectia Constructii de masini, 2000, p.573-578 27. Gh. Prisacaru, S. Cretu - Study on the rib-roller end contacts lubrication in cylindrical roller bearings;Part 1-Theory. Buletinul I.P.Iasi, Tom XLVI (L), Supliment Mecanica fluidelor, Sectia Constructii de masini, 2000, p.567-572. 28. S. Creţu, Gh. Prisăcaru, A. Coţofan - The sliding velocities at rib-roller end contact in a cylindrical roller bearing, Buletinul I.P. Iaşi, Tom XLI (XLV), fasc. 1-2, 1995, p.9-14 29. Gh. Prisăcaru, S. Creţu, I. Bercea, N. Mitu - Misalignment effect on the surface pressure distribution for line contact in cylindrical roller bearings, Acta Tribologyca, vol. 3, (1-2),1995, p. 37-43 30. Gh. Prisăcaru - Influenţa lubrifianţilor contaminaţi asupra fiabilităţii rulmenţilor, Construcţia de maşini, anul XLIV, 5, mai 1992, p. 6-8 31. Gh. Prisăcaru - Studiu privind influenţa lubrifianţilor contaminaţi asupra durabilităţii rulmenţilor; metode de diagnosticare şi prevenire a defectării acestora, Buletin ştiinţific , Baia-Mare, 11-13 oct. 1991, vol.V, p.233- 239. 32. M. Gafiţanu, M. Hantelmann, D. Olaru, Gh. Hagiu, Gh. Prisăcaru - Grease behaviour in the high- speed rolling bearings lubrication, Buletinul I.P. Iaşi,1988, secţia a IV-a, p. 11-15. ISSN 1011-2855 33. h. Prisăcaru, M. Bercea, M. Ciobanu - Metodă practică de apreciere a regimurilor de ungere în rulmenţi , Construcţia de maşini, nr. 10 / 1988, p. 542-545. ISSN 0573-7419
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Vlad Carlescu, Florin Breaban, Gheorghe Prisăcaru, Gelu Ianus, Maria Cazacu, Electromechanical Strain Response of PDMS/TiO2/SiO2 at Variable Electric Fields, Revista Materiale plastice, 60, nr. 2- 2013, Bucuresti, ISSN 0025/5289, p.p. 141-145. 2. V. Cârlescu, D. Olaru, F. Breabăn, Gh Prisăcaru - Comparative study of electromechanical response insome dielectric elastomers, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS , Vol. 13, No. 8, August 2011, p. 986 – 991. ISSN 1454-4164 3. Dumitru N. Olaru, Ciprian Stamate, Alina Dumitrascu, Gheorghe Prisăcaru - New microtribometer for rolling friction, Wear, Volume 271, Issues 5–6, 22 June 2011, Pages 842-852 . ISSN: 0043-1648

	4. Olaru, DN; Stamate, C; Prisacaru, G. - Rolling Friction in a Micro Tribosystem, Tribology Letters, Volume: 35, Issue: 3, 2009, Pages: 205-210.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Emanuel Miron, João P.M.A. Silva, José Machado, Dumitru Olaru, Gheorghe Prisacaru - Using ICT Techniques for Improving Mechatronic Systems'Dependability, 11th International Conference of Numerical Analysis and Applied Mathematics Rhodes, Greece, 21-27 September, 2013, AIP Conf. Proc. 1558, 1033- 1036 (2013); doi: 10.1063/1.4825681 © 2013 AIP Publishing LLC 978-0-7354-1184-5/$30.00 (ISI Proceedings, SCOPUS, AIP Conference Proceedings s.a.) 2. Ciprian STAMATE, Dumitru OLARU, Gheorghe PRISACARU, Gelu IANUS - Rolling Friction in the Mechatronic Microsystems, International Conference 6th Workshop on European Scientific and Industrial Collaboration on promoting Advanced Technologies in Manufacturing WESIC'08, Bucharest, 25 -26 September 2008 , pp. 295 – 302 (baza de date Microsoft Academic Search) 3. Prisacaru, G; Diaconu, I; Marta, C, et al. - Interconnected poly(dimethyldiphenylsiloxane)/silica networks for electrical actuation, 19th International Symposium of the Danube-Adria-Association-for- Automation-and-Manufacturing, OCT 22-25, 2008 Trnava SLOVAKIA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Pages: 1145-1146 ISI Proceedings Conference. 4. Marta, C; Doroftei, I; Suciu, L, G. Prisăcaru et al - Influence of thermal field in the gmaw process: modelling and comparison with experimental results, 19th International Symposium of the Danube-Adria- Association-for-Automation-and-Manufacturing, OCT 22-25, 2008 Trnava, SLOVAKIA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Pages: 817-818 . ISI Proceedings Conference. 5. Marta, C; Doroftei, I; Prisacaru, G, et al. - Simulation of the austenitic manganese steel balls casting and comparison with the experimental results, 19th International Symposium of the Danube-Adria- Association-for-Automation-and-Manufacturing, OCT 22-25, 2008 Trnava SLOVAKIA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM Pages: 815-816. ISI Proceedings Conference. 6. Doroftei, I; Marta, C; Hamat, C, Prisăcaru, G. et al. - A hybrid wheel-leg mobile robot, 19th International Symposium of the Danube-Adria-Association-for-Automation-and-Manufacturing, OCT 22-25, 2008, Trnava SLOVAKIA, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Pages: 425-426. ISI Proceedings Conference. 7. Dumitru N. Olaru, Ciprian Stamate, Gheorghe Prisacaru, Peter Lorenz - The Influence of the Atmospheric Condensed Water onFriction in a Micro Rolling Systems,16th International Colloquium Tribology_TA Esslingen, Jan. 15-17, 2008, (baza de date Microsoft Academic Search) Articol/studiu publicat în volumul unei manifestări ştiinţifice neindexate în baze de date 8. Olaru.D., Dumitraşcu A.C., Stamate C. and Prisăcaru Gh - Dynamic model to determine the rolling friction torques in microsystems for dry and lubricated conditions, ROTRIB 2010, The 11th International Conference on Tribologi, November 4-6, Iasi, 2010 9. V. Carlescu, Gh. Prisăcaru, I. Diaconu, Dumitru Olaru Experimental study of polydimethylsiloxane (PDMS) electrostrictivity, "Advancements of medical bioengineering and informatics", Proceedings of the International Conference E-Health and Bioengineering - EHB 2009, second edition Iasi-Constanta, Romania, 17-18 septembrie 2009, Ed. "Gr.T.Popa" University of Medicine and Pharmacy Iasi, p.76-79 V10. V. Carlescu, Gh.Prisacaru, I.Diaconu, D.Olaru – Electrostrictive effect in silicone based electroactive polymers, Creativity Management International Conference, 21-23th May, Iasi-Chisinau, 2009, ISBN 978- 9975-45-115-4, p.28-31.

10. D.Olaru, C.Stamate, G.Prisacaru,G.Ianus, New Micro Tribometers for Sliding and Rolling Friction , Proc. of 3rd Vienna International Conference on Nano-Technology, March 18 - 20, pp. 495-499, 2009, ISBN 978-3-901657-32-0, Vienna, Austria
11. D. Olaru, C.Stamate, A. Dumitrascu, G.Prisacaru, Experimental Investigations of Rolling Friction in Mechatronics Microsystems,Proc. of 2nd Int. Conference ADEMS'09, 24-25 Sept., Cluj – Napoca, 2009
12. Aspazia Olar, Gh.Prisacaru, D.Olaru, Proiectarea unui optional – Bionica, Conferinta Nationala de Educatie Tehnologica si Tehnologii Educationale, CNETTE 2009, 4-5 iunie, 2009, Cluj Napoca, p.31-34, Editura Todesco, ISSN 2066-446X.
13. Dumitru N. Olaru, Gh. Prisacaru, Peter Lorenz, Friction in linear rolling systems for microactuators , Tribology Conference ROTRIB '07, Bucuresti, 8-10 nov.2007 (http://rotrib.pub.ro/) (http://www.mec.tuiasi.ro/contracte/contractolaru/ROTRIB07_084.pdf)
14. Dumitru N. OLARU, Peter LORENZ, Gheorghe PRISACARU Friction coefficient in linear rolling system. from macro to micro tribosystems, 15 th Int. Collooquium of Tribology, 17-19 January, Section G- 5, T.U.Esslingen, Germania, Ianuarie 2006
15. Dumitru N. OLARU*, Peter LORENZ**, Gheorghe PRISACARU* Friction coefficient in a micro linear rolling system for MEMS applications, 50 IW Kolloquium: From Macro to micro in Mechanical Engineering, T.U. Ilmenau, Germania, 19-23 Sept. 2005, p.213-214
16. Gheorghe Prisăcaru, Dumitru Olaru, Dominic Antălucă - Studiul tribologic al sistemelor liniare de ghidare cu rostogolire din structuri mecatronice, Analele Universitatii „Valahia" Targoviste, Lucrarile Simpozionului International :Mecatronica, Microtehnologii si Materiale noi", Editura Macarie, Targoviste, 2003, ISBN 973-8135-64-8, p.145-150.
17. D. Olaru, Gh. Prisacaru: Friction in the linear rolling guidance ,COMEFIM-6, Brasov, 10-12 oct. 2002, vol. 1-20a, p.127-136
18. D. N. Olaru, P. Lorenz, D. Rudy, SP. Cretu, Gh. Prisacaru - Tribology Improving the Quality in the Linear Rolling Guidance Systems. Part 1- "Friction in Two Contact Points Systems", Proc. of the 13th International Colloquium on Tribology, Esslingen (Germany), 15-17 January, 2002
19. Gh. Prisacaru, Sp. Cretu, D.N. Olaru, P. Lorenz - Cylindrical roller bearing carrying thrust load, 2nd World TRIBOLOGY Congress, 03 - 07 September 2001, Vienna, AUSTRIA - Messe Congress Center (lucrarile editate pe CD)
20. V. Paleu, S. Cretu, D. Olaru, Gh. Prisacaru, I. Bercea - Numerical results of a quasi-static analysis on a hybrid ball bearings, BALKANTRIB'99, 3-rd International Conference of Tribology, ISSN 1221-9371, 2-4 June, 1999, Sinaia, p. 81-88
21. S. Cretu, Gh. Prisacaru, N. Mitu, V. Paleu - The tangential stresses in the tribologycal contact of the cylindrical rolller bearing, BALKANTRIB'99, 3-rd International Conference of Tribology, ISSN 1221-9371, 2-4 June, 1999, Sinaia, p. 47-56.
22. Gh. Prisăcaru, S. Cretu, D. Nelias, G. Slevoacă - Roulements a rouleaux cilindriques a capacite de charge axiale, Journee Roulements, Toulouse (France), 5-7 mai, 1999.
23. Gh. Prisăcaru, I. Bercea, N. Mitu, S. Cretu - Theoretical investigation on kinematics instabilities in cylindrical roller bearings, NORDTRIB'98, Proceedings of the 8th International Conference on Tribology, Aarhus, Denmark,1998, vol. II, p.507-514
24. Gh. Prisăcaru, D. Olaru, S. Creţu, D. Lefter Influence of the rib-roller end contact geometry on the cylindrical roller bearing lubrication, Proceedings of the 11th International Colloquium Tribology, Stuttgart/Ostfildern (Germany), Jan. 3-15, 1998, vol. I, ISBN 3-924813-3-6, p. 645-654

25. S. Cretu, Gh. Prisacaru - Evaluation of skewing and skidding motions in cylindrical roller bearings, Conferinta internationala TURBO'98, 13-15 iulie, 1998, Bucuresti, vol. 2, ISBN 973 9402-21-6, p.319-326. V27. Mitu, I. Bercea, Gh. Prisacaru - A solution of the three-dimensional elastic bodies frictional contact problem, VAREHD'98, Suceava, 6-8 iunie,1998
26. S. Cretu, Gh. Prisacaru, I. Bercea, N. Mitu - Theoretical investigation on skew motion of rollers in a cylindrical roller bearing, VAREHD'98, 9-th Conference on EHD Lubrication and Traction, Suceava, 6-8 June,1998
27. S. Creţu, Gh. Prisăcaru, I. Bercea, N. Mitu - Theoretical investigation on friction sources in a radial cylindrical roller bearing, VAREHD'96, , 8-th Conference on EHD Lubrication and Traction, Suceava, 6-8 June,1996.
28. Gh. Prisacaru, I. Bercea, S. Cretu, N. Mitu - Non-Newtonian behaviour of mineral oils in cylindrical roller bearing, Proceedings of the 10th International ColloquiumTribology-Solving Friction and Wear Problems, Technische Akademie Esslingen, Stuttgart / Ostfildern (Germany), 1996, 9-11 ian., p. 1617- 1623.
29. Gh. Prisăcaru, I. Bercea, S. Creţu, N. Mitu - Non-Newtonian behaviour of mineral oils in cylindrical roller bearing, Proceedings of the 10th International Colloquium Tribology- Solving Friction and Wear Problems, Technische Akademie Esslingen, Stuttgart / Ostfildern (Germany), 1996, 9-11 ian., p. 1617- 1623.
30. S. Creţu, Gh. Prisăcaru, N. Mitu - Lubrication regimes on the rib-roller end contacts in cylindrical bearings, YUTRIB'95, Proc. of 4-th Yugoslav Conference on Tribology, Herceg Novi (Yugoslavia), Sept. 27-29, 1995, p. 91-92
31. Gh. Prisăcaru, S. Creţu, N. Mitu - The simulation of tribologycal interactions in cylindrical roller bearing, Romanian Academy, SISOM'95, 22 - 23 noiembrie, Bucuresti, 1995, p. 429 - 436.
32. G Prisacaru, I Bercea, N Mitu, S Cretu, D Silion - The Analysis of theQuasi-DynamicEquilibrium in Cylindrical Roller Bearing, Proceedings of the 6-th Nordic Symposium on Tribology, NORDTRIB'94, 1994, Uppsala (Suedia), 12-15 iunie, vol.3, p.721-731.
33. S. Creţu, Gh. Prisăcaru, N. Mitu - The sliding velocities at rib-roller end contact in a cylindrical roller bearing, VAREHD'94, 7-th Conference on EHD Lubrication and Traction, Suceava, 2-7 June,1994.
34. Gh. Prisăcaru, D. Răileanu - Evaluarea deteriorării unsorii din rulmenţi utilizând metoda microscopiei electronice, Conferinţa naţională TRIBOTEHNICA'90, Cluj-Napoca, 27-29 sept. 1990, vol. 2, p. 257-262 V37. M. Gafiţanu, D. Olaru, Gh. Prisăcaru, F. Farcaş - Un model general de deteriorare a unsorilor, Conferinţa naţională TRIBOTEHNICA'90, Cluj-Napoca, 27-29 sept. 1990, vol. 2, p. 187-194
35. D. Olaru, Gh. Hagiu, Gh. Prisăcaru, A. Patrichi, V. Botezatu - Cercetări privind creşterea fiabilităţii broşelor şi a electrobroşelor pentru rectificat alezaje.Partea a II-a: Durabilitatea rulmenţilor în corelaţie cu ungerea şi pretensionarea, Conferinţa naţională TRIBOTEHNICA'90, Cluj-Napoca, 27-29 sept. 1990, vol. 3, p. 317-324.
36. Gh. Prisăcaru, D. Olaru - Regimuri de ungere în rulmenţi. Metode de apreciere, Sesiunea jubiliară de comunicări ştiinţifice a I.P. Iaşi, 10-12 nov.1988, vol. IX, secţiunea XIX: Rulmenţi-probleme tribologice, p.421- 425.
37. Gh. Secuiu, A. Patrichi, V. Botezatu, Gh. Prisăcaru - Cercetări privind asimilarea de electrobroşe la CFS Iaşi, Sesiunea jubiliară de comunicări ştiinţifice a I.P. Iaşi, 10-12 nov.1988,vol. IX, secţiunea XIX: Rulmenţi-probleme tribologice, p.299-301.
38. Gh. Secuiu, A. Patrichi, D. Olaru, Gh. Prisăcaru - Particularităţi privind montarea rulmenţilor la broşele de rectificat , Sesiunea jubiliară de comunicări ştiinţifice a I.P. Iaşi, 10-12 nov.1988, vol. IX, secţiunea XV: Organe de maşini, p.159-162
39. D. Olaru, Gh. Hagiu, Gh. Prisăcaru, A. Patrichi, V. Botezatu - Cercetări privind fiabilitatea broşelor de rectificat fabricate la CFS Iaşi (partea a II-a), Conferinţa naţională TRIBOTEHNICA'87, Bucureşti, 1987, vol.IV, p.25-30
40. M. Gafiţanu, D. Olaru, Gh. Prisăcaru, Gh. Hagiu - Comportarea unor unsori utilizate la ungerea rulmenţilor de turaţie ridicată (partea a II-a , Durabilitatea unsorilor), Conferinţa naţională TRIBOTEHNICA'87, Bucureşti, 1987, vol.V, p.293-

	298 41. D. Olaru, M. Hantelmann, Gh. Prisăcaru, F. Grigorescu - Determinarea caracteristicilor de tracţiune pentru unele unsori utilizate la rulmenţi, Conferinţa naţională TRIBOTEHNICA'87, Bucureşti, 1987, vol. III, p.113-11 42. M. Gafiţanu, Gh. Prisăcaru, M. Hantelmann - Metodă şi echipament pentru aprecierea regimului de ungere în rulmenţi la turaţii înalte, Conferinţa naţională TRIBOTEHNICA'87, Bucureşti, 1987, vol. III, p. 351-357 43. D. Olaru, Gh. Hagiu, Gh. Prisăcaru, A. Patrichi, V. Botezatu - Cercetări privind creşterea fiabilităţii broşelor de rectificat fabricate la CFS Iaşi (partea I-a),Simpozionul TEHNOMUS'87, iunie 1987, Suceava, partea I-a, p. 28-33. 44. Gh. Prisăcaru , I. Bercea, N. Mitu, S. Creţu - The analysis of the quasi-dinamic equilibrium in cylindrical roller bearings, Proceedings of the 6-th Nordic Symposium on Tribology, NORDTRIB'94, 1994, Uppsala (Suedia), 12-15 iunie, vol.3, p.721-731 45. Gh. Prisăcaru, S. Creţu, I. Bercea - Friction in cylindrical roller bearings with combined load, Proceedings of the Vth International Symposium: Tribological Problems in Exposed Friction Systems, INTERTRIBO'93, Bratislava (Slovak), 1993, August 26-28
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	1. Brevet de inventie nr. 127562 A2 - RO-BOPI 6/2012, din 29.06.2012 Titlul brevetului : Procedeu şi microtribometru inerţial pentru studiul fenomenului de frecare de rostogolire. Autori brevet :Olaru Dumitru, Stamate Vasile Ciprian, Prisăcaru Gheorghe, Ianuş Gelu **2.** Brevet de inventie nr. 127849 A2,- RO-BOPI 9/2012, din 28.09.2012 Titlul brevetului: Microtribometru gravitaţional pin-disc pentru studiul fenomenului de frecare de alunecare Autori brevet : Olaru Dumitru, Stamate Vasile Ciprian, Prisăcaru Gheorghe, Ianuş Gelu, Dumitraşcu Alina Corina
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Contract POSDRU/87/1.3/S/64069 - FLEXFORM - Program de formare profesională flexibilă pe platforme mecatronice) Finanţator: Fondul Social European prin Programul Operaţional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013 Beneficiar: Universitatea Tehnică din Cluj-Napoca Partener 5: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Responsabil partener 5: conf.dr.ing. Gheorghe PRISĂCARU Valoare (Partener 5): 1330825 RON 2. PN II 1731 (contract fin.nr. 71-129/2007) „Sisteme mecatronice de acţionare realizate cu noi tipuri de actuatori pentru aplicaţii în robotica şi în alte domenii" Finanţator: UEFISCDI Coordonator: Universitatea Tehnică din Cluj-Napoca Partener 2: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Responsabil partener 2: conf.dr.ing. Gheorghe PRISĂCARU Valoare (Partener 5): 131086 RON 3. Proiect cod nr. 116/2000 - Laboratorul multidisciplinar - mijloc de eficientizare a instruirii practice a studenţilor Finanţator: CNFIS Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Director proiect: conf.dr.ing. Gheorghe PRISĂCARU Valoare: 5000 $(3790€) 4. Contract nr. 40222 / 2003, tema 17 cod CNCSIS 830 (suplimentat pe 2004 prin contr.nr. 33371/004, tema 32 cod CNCSIS 830): Studiul tribologic al contactului capat rola-umar de ghidare in rulmenti cu role cilindrice sub sarcina combinata pe perioada rodajului Finanţator: CNCSIS Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director grant: conf.dr.ing. Gheorghe PRISĂCARU Valoare: 112500000ROL (2197 €) 5. Contract 6177/2000, act adit. 1/10.11.2000 - Studiul tribologic al sistemelor de ghidare liniare cu rostogolire Finanţator: ANSTI Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Director grant: conf.dr.ing. Gheorghe PRISĂCARU

	Valoare: 45800000 ROL (2996 €) 6. Grant 33/2007 – Polimerii electroactivi (PEA) – o noua clasa de actuatori neconventionali Finanţator: CNCSIS Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Director grant: conf.dr.ing. Gheorghe PRISĂCARU Valoare: 128000 RON 7. Proiect Leonardo PL 91229/EX din 1994 cu tema „Instruirea inginereasca de tip mecatronic – o necesitate in societatea informationala (Engineering training of mechatronic type – a necessity for the informational society)" Finanţator: Agenţia Naţională Leonardo - România Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Director proiect: conf.dr.ing. Gheorghe PRISĂCARU Valoare: 10980 € 8. Contract nr. 4286/1990 - Studii şi cercetări privind fiabilitatea rulmenţilor funcţionând în condiţii de mediu contaminat Finanţator: Intreprinderea de Rulmenţi Bârlad Contractor: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Director proiect: conf.dr.ing. Gheorghe PRISĂCARU Valoare: 90000lei (4091$) 9. POSDRU/87/1.3/S/61397 - Reţea Naţională de Formare CONtinuă a CadrelOR Didactice din Învăţământul Preuniversitar Profesional şi Tehnic – CONCORD Finanţator: Fondul Social European prin Programul Operaţional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013 Beneficiar: Universitatea "Politehnica" Bucureşti Partener 2: Universitatea Tehnică „Gheorghe Asachi" din Iaşi Expert operaţional (expert pe termen lung) responsabil domeniul inginerie mecanică (partener 2): conf.dr.ing. Prisăcaru Gheorghe Valoare contract: 753844 (RON) 10. PROGRAM PN II – IDEI cod ID 607 -2009, contract 381/2007 Cercetări privind reducerea frecării în microsisteme mecatronice Autoritatea Contractanta - UEFISCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Olaru DUMITRU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 129850 RON 11. PROGRAM PN II – IDEI cod ID 607 -2008, contract 381/2007 Cercetari Privind Reducerea Frecarii In Microsisteme Mecatronice Autoritatea Contractanta - UEFISCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Olaru DUMITRU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 355505 RON 12. PROGRAM PN II – IDEI cod ID 607 -2007, contract 381/2007 Cercetari Privind Reducerea Frecarii In Microsisteme Mecatronice Autoritatea Contractanta - UEFISCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Olaru DUMITRU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 141400 RON 13. Contract nr. 33371/2004, tema 37, cod CNCSIS 537- Cercetari privind fiabilitatea sistemelor mecatronice in corelatie cu procesele macro-, micro- si nanotribologice Autoritatea Contractanta - UEFISCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Olaru DUMITRU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 100000000 ROL (2760 €) 14. Contract nr.35259 /2001, tema 48 cod CNCSIS 282 (3 ani: 2001-2003) – Cercetari privind fiabilitatea sistemelor de ghidare liniare cu rostogolire in corelatie cu procesele tribologice si precizia de functionare Autoritatea Contractanta - UEFISCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Olaru DUMITRU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 105000000 ROL (4034 €) 15. Contract 6182/25.10.2000, tema B2/2000 – Polimeri cu structuri si arhitecturi speciale. Corelatii sinteza-structura-proprietati. Beneficiar : ANSTI Contractor: Institutul de Chimie macromoleculara P. Poni, Iasi Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU (in calitate de colaborator extern - P.Poni) Valoare contract: 33000000 lei (1784 $)

	16. Contract nr. 12102/29.07.97, tip D, cod CNCSU 171, tema 32:Asigurarea calitatii si fiabilitati in ingineria mecanica in corelatie cu conceptele moderne privind deteriorarile de natura tribologica si prin oboseala mecanica - finanţat de Bancamondială Autoritatea Contractanta - CNCSU cu finantare de la Banca Mondiala Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Spiridon CRETU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 60000 $ (53700 €) 17. Contract 7002/97, tema nr.42, grant 1417 (3 ani:1995-1997) -Cercetari privind dinamica contactelor cu rostogolire în conditii de ungere EHD cu aplicatii la optimizarea geometriei interne a rulmentilor cu role cilindrice si conice pentru sarcini combinate si turatii ridicate Autoritatea Contractanta - CNCSU Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Spiridon CRETU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 12000000 ROL (1483 €) 18. Contract nr. 161/97, pozitia B9 (3 ani: 1997-1999) - Rulmenti cu role cilindrice pentru încarcari combinate si turatii ridicate Autoritatea Contractanta - MCT Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Spiridon CRETU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 11500000 ROL (1421,5 €) 19. Contract nr. 161/96, pozitia A6 (2 ani:1997-1998)- Optimizarea constructiei interne a rulmentilor radial-axiali cu role conice în conditii de solicitare limitasi turatii ridicate Autoritatea Contractanta - MCT Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Spiridon CRETU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 9000000 ROL(2330 €) 20. Contract nr. 7463/94 - Optimizarea asistata de calculator a cinematicii si dinamicii tribosistemelor de rostogolire Autoritatea Contractanta - MIS Contractor: Universitatea Tehnică „Gh. Asachi" din Iaşi Director proiect : prof. dr ing. Dumitru OLARU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 4500000 ROL (2288 €) 21. Contract nr. nr. 1428 / 2001 - Studii si masuratori asupra bunurilor prezentate de beneficiar (eliberare certificat) Beneficiar: Tehnoconsult S.R.L. Barlad Responsabil de proiect : prof.dr.ing. Spiridon CRETU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 46000000 ROL (1768 €) 22. Contract nr. 275P/15.04.2013 – Analiza cauzelor care conduc la distrugerea prematură a sistemelor de asigurare a gurilor de acces in sistemele de alimentare cu apă şi canalizare şi găsirea unor soluţii eficiente de inchidere a gurilor de acces Beneficiar: SC INSTCOMP SA , cu sediul în Suceava, str. Gr. Ureche, nr. 19 Responsabil de proiect :s.l..dr.ing. Ianus Gelu Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 23.000lei + 5520 lei TVA= 28520 lei. 23. Contract nr. 10697/1988 - Probe, verificari si elaborarea de buletine de omologare utilaje Beneficiar: Combinatul de Fibre Sintetice Iasi Responsabil de proiect : prof.dr.ing. Dumitru OLARU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 324000 lei (23142,85$) 24. Contract nr. 4574/1988 - Optimizarea proiectarii rulmentilor si cresterea performantelor calitative ale acestora Beneficiar: CIROA Brasov Responsabil de proiect : prof.dr.ing. Mihai GAFITANU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 1500000 lei (107142 $) 25. Contract nr. 3114/1986 – Cresterea performantelor calitative ale diferitelor medii de ungere Beneficiar: CIROA Brasov Responsabil de proiect : prof.dr.ing. Mihai GAFITANU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 300000lei (18750 $) 26. Contract nr. 2506/1985 - Proiectarea asistata de calculator a organelor de masini Beneficiar: Combinatul de Utilaj Greu Iasi Responsabil de proiect : prof.dr.ing. Mihai GAFITANU Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 250000lei (14705 $)

	27. Contract nr. 3130/1985 - Stand pentru probe cinematice Beneficiar: Combinatul de Utilaj Greu Iasi Responsabil de proiect : prof.dr.ing. Cezar DUCA Membru colectiv cercetare: conf.dr.ing. Gheorghe PRISĂCARU Valoare contract: 300.000 lei (17647 $) 28. Proiect transfrontalier: 2SOFT/1.1/64 – CBCinMEE Cross border cooperation in mechatronics engineering education – (2020-2022) Beneficiar lead: Universitatea Tehnică a Moldovei Beneficiary 1: Universitatea Tehnică Gheorghe Asachi din Iaşi Responsabil de proiect : conf.dr.ing. Gelu Ianuş Membru colectiv cercetare: prof.dr.ing. Gheorghe PRISĂCARU Valoare contract: 167777 Euro 29. Proiect transfrontalier: 2SOFT/1.1/11 – CROSSCOMP Cross-Border Regional Hub of Competences for the Automotive Industry – (2020-2022) Beneficiar lead: Universitatea Tehnică Gheorghe Asachi din Iaşi Beneficiary 1: Universitatea Tehnică a Moldovei Beneficiarz 2: Beneficiary 3: Universitatea Agrara de Stat din Moldova Responsabil de proiect : conf.dr.ing. Nicolae Lucanu Membru colectiv cercetare: prof.dr.ing. Gheorghe PRISĂCARU Valoare contract: 286718 Euro

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Sălceanu Andrei **Asist. univ. drd. ing.**	**Cărți publicate în străinătate, în țară, pe plan local și pe web (punctele B, C, D și E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS și BDI (punctul F din Anexa A.3.7)
	1. I Nica, V David, I Pavel, Andrei Sălceanu Automatic long term survey of magnetic fields in residential areas. Instrumentation and measurements. Environmental Engineering & Management Journal (EEMJ) 15, Pag 26-28 DOI: 10.30638/eemj.2016.289 EID: 2-s2.0-85028453266 2. E Lunca, S Ursache, Andrei Sălceanu Assessment of radiofrequency exposure levels generated by wimax base stations. Environmental Engineering & Management Journal (EEMJ) Pag 2753-2759 DOI: 10.30638/eemj.2016.302 EID: 2-s2.0-85028456961 3. Silviu Ursache, Andrei Sălceanu, Oana Neacşu Measuring the electric and magnetic fields associated with the electrostatic discharges Buletinul Institutului Politehnic din Iaşi Pag 133-140 Marius Valerian Păuleţ, Oana Maria Neacşu, Andrei Sălceanu Secured access system based on the recognition of ecg characteristics Buletinul Institutului Politehnic din Iaşi Pag 21-28
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Andrei Sălceanu, M. Temneanu, B. Giurcanu, C. Lăzărescu, S. Vornicu and S. Ursache, "Considerations on Experimental Determinations of the Specific Absorption Rate Data for a Multi-Band Mobile Phone," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 651-657, DOI: 10.1109/SIELMEN67352.2025.11260651 2. Andrei Sălceanu, E. Lunca and O. M. Asiminicesei, "Specific Absorption Rate: Comparative Analysis from the Perspective of Terms, Methodologies, and Regulations," 2025 International Conference on Electromechanical and Energy

	Systems (SIELMEN), Iasi, Romania, 2025, pp. 501-507, DOI: 10.1109/SIELMEN67352.2025.11260778 3. R. Jahrstorfer, Andrei Sălceanu and G. Balan, "Influence of Humidity and Temperature on Potential Induced Degradation from a Maintenance Perspective," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 513-517, DOI: 10.1109/SIELMEN67352.2025.11260793 4. R. Jahrstorfer, Andrei Salceanu and G. Balan, "Experimental Approaches to the Influence of Shunt Resistance on Potential Induced Degradations," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 518-524, DOI: 10.1109/SIELMEN67352.2025.11260788 5. P. C. Oprea, Andrei Sălceanu, M. V. Păulet and M. C. Moruz, "Approach to Floral Digital Models from a SAR Perspective," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 484-489, DOI: 10.1109/SIELMEN67352.2025.11260690 6. P. C. Oprea, M. V. Păuleţ and Andrei Sălceanu, "Study on Adult-Child Differences from the Perspective of Radiofrequency Electromagnetic Energy Absorption," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 1-6, DOI: 10.1109/SIELMEN67352.2025.11260562 7. G. Bălan, E. Serea and Andrei Sălceanu, "A Cost-Effective Continuous Thermal Monitoring Solution for Electrical Panels Using Thermocouples," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 466-471, DOI: 10.1109/SIELMEN67352.2025.11260682 8. M. C. Moruz, S. C. Vornicu, P. C. Oprea and Andrei Sălceanu, "Evaluation of Disturbing Electromagnetic Emissions Produced by an Electrosurgery Unit," 2025 International Conference on Electromechanical and Energy Systems (SIELMEN), Iasi, Romania, 2025, pp. 669-673, DOI: 10.1109/SIELMEN67352.2025.11260748 MV Paulet, Andrei Sălceanu, OM Neacsu “Ultrasonic radar” 2016 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 551-554 DOI: 10.1109/ICEPE.2016.7781400 EID: 2-s2.0-85010460379 9. S Ursache, Andrei Sălceanu, O Neacsu Indoor and outdoor measurements of the low frequency magnetic fields in an urban area 2016 International Conference and Exposition on Electrical and Power Engineering (EPE), Pag 376-379 DOI 10.1109/ICEPE.2016.7781366 Scopus index EID 2-s2.0-85010450424 10. MV Paulet, Andrei Sălceanu, Alexandru Salceanu Automatic recognition of the person by ECG signals characteristics 2015 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Pag 281-284 DOI: 10.1109/ATEE.2015.7133780 EID: 2-s2.0-84939531298 11. MV Paulet, OM Neacsu, Andrei Sălceanu Wireless monitoring system of the heart rate 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 581-584 DOI: 10.1109/ICEPE.2014.6969976 EID: 2-s2.0-84919692308 12. Bogdan-Dumitru Alistar, Andrei Sălceanu, Gabriel Lupuleasa Approach on simulating and measuring the SAR 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 437-441 DOI: 10.1109/ICEPE.2014.6969945 EID: 2-s2.0-84919665475 13. Andrei Sălceanu, Valeriu David, Ionut Nica Monitoring the environment by enhancing the capabilities of a fleet tracking system 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 442-446 DOI: 10.1109/ICEPE.2014.6969946 EID: 2-s2.0-84919678458 14. Silviu Ursache, Marius Paulet, Andrei Sălceanu, Catalina Luca Study upon the disturbing potential of TETRA electromagnetic traffic 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 433-436 DOI: 10.1109/ICEPE.2014.6969944 EID: 2-s2.0-84919665483

	15. Oana-Maria Neacsu, Marius Valerian Paulet, Andrei Sălceanu Expanding the functionality of an EMF spectrum analyzer with self-performed near field probes 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Pag 784-788 DOI: 10.1109/ICEPE.2014.6970017 EID: 2-s2.0-84919623141
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Salcianu Monica **Drd. Ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)**
	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	Lucrări publicate în reviste din străinătate şi din ţară, recunoscute CNCSIS (punctele Gşi H din Anexa A.3.7)
	1. Sălcianu Monica, Foşalău Cristian and Hariton Anamaria, Simulation of an inteligent-adaptive front-lighting system, Bul. Inst. Polit. Iaşi, t. LVII (LXI), f. 5, 2011, pp. 79-91. 2. Sălcianu Monica, Foşalău Cristian and Hariton Anamaria, A new can simulator for a rain sensing system using LabVIEW, Bul. Inst. Polit. Iaşi, t. LVII (LXI), f. 5, 2011, pp. 69-78. 3. Hariton Anamaria, Niţă Lucian, Creţu Mihai and Sălcianu Monica, Outer gate automation using microcontrollers and radio frequency communication, Bul. Inst. Polit. Iaşi, t. LVII (LXI), f. 5, 2011, pp. 119-128. 4. Hariton A., Creţu M., Niţă L., Sălcianu M., Database security on remote patient monitoring system, Bul. Inst. Polit. Iasi, t. LVII (LXI), f. 5, 2011, pp. 129-138 5. Salcianu Monica, Anamaria Hariton and Cristian Zet, A LED Matrix Manager snifer, Bul. Inst. Polit. Iasi ,Volumul 68 (72), Numărul 2, anul 2022, pp. 9-20.
	Lucrări publicate în volumele conferinţelor (punctul I din Anexa A.3.7)
	1. Sălcianu Monica, Foşalău Cristian, A new CAN diagnostic fault simulator based on UDS protocol, Proceedings of the 7th Conference on Electrical and Power Engineering EPE 2012, Iaşi, October 25-27, 2012 (acceptată pentru publicare şi prezentare). 2. Sălcianu Monica, Foşalău Cristian and Hariton Anamaria, Packaging data transmitted on the Controller Area Network, Proceedings of the 6th Conference on Electrical and Power Engineering EPE 2010, Iaşi, October 28-30, 2010, vol. II, pp. 281-283. 3. Sălcianu Monica, Foşalău Cristian and Hariton Anamaria, A digital library for building a Controller Area Network software driver, Proceedings of the 6th Conference on Electrical and Power Engineering EPE 2010, Iaşi, October 28-30, 2010, vol. II, pp. 277-280. 4. Hariton Anamaria, Niţă Lucian, Creţu Mihai and Sălcianu Monica, Microcontrollers and radio communication system,

	Proceedings of the 6th Conference on Electrical and Power Engineering EPE 2010, Iaşi, October 28-30, 2010, pp. 89-92. 5. Hariton A., Niţă L., Creţu M., Sălcianu M., Patient telemonitoring application for diabetes , Proceedings of the 6th Conference on Electrical and Power Engineering EPE 2010, Iaşi, October 28-30, 2010, pp. 131-134.
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)

Nume şi prenume cadru didactic/ cercetător ştiinţific (grad didactic, titlu ştiinţific)	Publicaţii în reviste de specialitate sau edituri din ţară, ISI, BDI, comunicări ştiinţifice prezentate la sesiuni, simpozioane, seminarii etc. din ţară şi/ sau străinătate, contracte, expertiză, consultanţă etc, pe bază de contracte sau convenţii încheiate cu parteneri din ţară şi/sau străinătate, cu evaluare atestată de către comisii de specialitate etc.
Schreiner Cristina Mihaela **Prof. dr. ing.**	**Cărţi publicate în străinătate, în ţară, pe plan local şi pe web (punctele B, C, D şi E din Anexa A.3.7)** 1. CALITATEA IN INDUSTRIE SI SERVICII - DE LA DEFINIRE, LA TEHNICI MODERNE DE ASIGURARE, Ciobanu R., Schreiner C., 148 pag., 1999 (2002), Ed. Magnum Pres Iasi, Romania, ISBN 973-5632-99-4, 2. ETICA TEHNICA SI A AFACERILOR, Schreiner C., Ciobanu R., Hutu C., 186 pag., 2002, Ed. Gh. Asachi, Iasi, Romania, ISBN 973-8292-72-7 3. SOME TECHNICAL AND ETHIC ASPECTS REGARDING TQM IMPLEMENTATION WITHIN SMES, IN MANAGEMENT OF TECHNOLOGICAL CHANGES, Schreiner C., Ciobanu R., Hutu C., 361-369 pag., 2001, EDITOR C. RUSU – Ed. Economica Bucuresti, Romania, ISBN 973- 590-580-9 4. EXPERT SYSTEMS FOR TQM IMPLEMENTATION AND SURVEY DEDICATED TO SMES, IN MANAGEMENT OF TECHNOLOGICAL CHANGES, Ciobanu R., Schreiner C., Hutu C., 370-379 pag 2001, C. RUSU EDITOR – Ed. Economica Bucuresti, Romania, ISBN 973-590-580-9 5. SISTEME EXPERT DE ASIGURARE A CALITATII IN INDUSTRIE SI SERVICII, Baraboi A., Ciobanu R., Schreiner C., 166 pag 2002, Ed. Politehnium, Iasi, Romania, ISBN 973-8292-7 6. CERCETARI PRIVIND CALITATEA SI FIABILITATEA IN INGINERIA ELECTRICA, Schreiner C., Adam M., Ciobanu R., 143 pag., 2003, Ed. Politehnium, Iasi, Romania, ISBN 973-621- 031-6 7. ADVANCED ON QUALITY AND RELIABILITY ASSURANCE OF ELECTRICAL MATERIALS, Schreiner C., Ciobanu R., Temneanu M., 136 pag., 2002, Ed. Politehnium, Iasi, Romania, ISBN 973-8292-24-7 8. STUDII PRIVIND CALITATEA SI FIABILITATEA IN INGINERIA ELECTRICA, Schreiner C., Ciobanu R., Baraboi A., 189 pag., 2003, Ed. Politehnium, Romania, ISBN 973-621-032-4 9. INVESTIGAŢII TEHNICO-ANALITICE SPECIFICE MINIMIZĂRII SCĂZĂMINTELOR TEHNOLOGICE ÎN INDUSTRIA ALIMENTARĂ: INVESTIGAŢII TEHNICO-ANALITICE, Schreiner C., Ciobanu R., Tulbure M., Editura PIM Iasi (2010), ISBN 978-606-520-671-7 10. CERCETĂRI PRIVIND UTILIZAREA MĂSURĂRILOR DISTRIBUITE ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂŢII INDUSTRIALE, Trandabăţ A., Schreiner C., Pîslaru M., Editura PIM Iasi (2009), ISBN 978-606-520-673-1 11. CERCETĂRI PRIVIND UTILIZAREA MODELELOR NEURO-FUZZY ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂŢII, Pîslaru M., Schreiner C., Trandabăţ A., Editura PIM Iasi (2009), ISBN ISBN

	978-606-520-676-2 12. STUDII PRIVIND CALITATEA SI FIABILITATEA IN INGINERIA ELECTRICA, Schreiner C., Ciobanu R., Baraboi A., 189 pag., 2003, Ed. Politehnium, Romania, ISBN 973-621-032-4
	Lucrări publicate în reviste WoS şi BDI (punctul F din Anexa A.3.7)
	1. Ciobanu R., C. Schreiner, W. Pfeiffer, Advanced Partial Discharge measurements in support of cellulose materials quality, Cellulose Chemistry and Technology, May-August 2004, v.39, n 3-4, pp.187-196 (IF= 2.082) 2. Ciobanu R., Schreiner Cristina, Pfeiffer Wolfgang, Space charge and field evolution in cellulose materials - A review of the PEA method for technological purposes, Cellulose Chemistry and Technology, v.38, n.1-2, January-April, 2004, pp.45-58 (IF=0.675) 3. Schreiner, C. and Ciobanu R., "Prediction of electronic devices reliability via statistical evaluation of partial discharges phenomena", U.T.Iasi Bull., Tom 45, fasc. 5A, 197-200, 1999 4. Schreiner, C. and Ciobanu R., 1997, "Partial discharge phenomena under non-sinusoidal electric field of some composite insulations for special electrical machines", U.T.Iasi Bull., Tom 43, fasc. 3-4, 63-70 5. Ciobanu R. and Schreiner, C., 1995, "Probleme ale efectuarii rodajului la hirtiile electrotehnice - Preaging of papers for electrical purposes", Celuloza si Hirtie, 44, no.2, 28-34pag 6. Schreiner, C. and Ciobanu R., 1995, "Aparat pentru determinarea rapida a grosimii produselor papetare - Magnetic device for quick estimation of paper products thickness", Celuloza si Hirtie, 44, no.2, 45-48 7. Schreiner, C. and Ciobanu R., 1995, "Aspecte ale estimarii fiabilitatii hirtiilor la radiatie gamma - Paper products reliability under gamma-radiation conditions", Celuloza si Hirtie, 1995, 44, no.1, 12-17 8. Ciobanu R. and C. Schreiner, The reliability analysis of papers containing synthetic fibers, Celuloza si Hirtie, 43 no.3, 1994, pp. 124-127 9. Ciobanu R. and C. Schreiner, Some pre-aging aspects concerning the technology of papers for electrical purposes, Celuloza si Hirtie, 43 no.4, 1994, pp.187-193 10. Ciobanu R. and C. Schreiner, Some aspects concerning the estimation of papers reliability under gamma radiation conditions, Celuloza si Hirtie, 44 no.1, 1995, pp.12-17 11. C. Schreiner, Ciobanu R. and S. Ciovica, Some aspects concerning the specific characteristics for quality assessment of papers for electrical purposes, Celuloza si Hirtie, 40, nr.1, 1991, pp.36-40 12. Ciobanu R., C. Schreiner, Analiza structurii materialelor electroizolante poroase, utilizând modele statistice de caracterizare a descărcărilor parţiale, Electrotehnica EEA, 2003, 51, (1) 13. C. Schreiner, Ciobanu R., Metoda de analiza termogravimetrica a fiabilitatii materialelor electroizolante fibroase, Electrotehnica EEA, 2003, 51, (3) 14. C. Schreiner, Ciobanu R., Aspecte tehnice şi legislative vizând controlul şi eliminarea echipamentelor care conţin PCB ,în România - I. Aspecte tehnice relevante pentru România şi propuneri de reglementări oficiale, Electrotehnica EEA, 2003, 51, (4) 15. C. Schreiner, Ciobanu R., Aspecte tehnice şi legislative vizând controlul şi eliminarea echipamentelor care conţin PCB, în România - II. Inventarul şi disponibilitatea reală a condensatoarelor de putere aflate în exploatare în România, Electrotehnica EEA, 2003, 51, (6) 16. Ciobanu R., C. Schreiner, W. Pfeiffer, Influence of mineral content upon electric field evolution in paper for dc cable insulation, Buletinul U.T. Iasi, 2003, 49, fasc. 1-2, pp.32-36

	17. Ciobanu R. C. Schreiner, W. Pfeiffer, Advanced Partial Discharge tests in support of porous materials quality, Buletinul U.T. Iasi, 2003, 49, 3-4, pp.97-102
	Lucrări publicate în reviste din străinătate și din țară, recunoscute CNCSIS (punctele Gși H din Anexa A.3.7)
	1. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Andrei G. Ursan, Elena G. Hitruc, Magdalena Aflori, Thermoplastic Electromagnetic Shielding Materials from the Integral Recycling of Waste from Electronic Equipment, Polymers Journal 2023, Volume 15, Issue 19, 3859, DOI: 10.3390/polym15193859, WOS: 001083084200001. 2. Mihaela Aradoaei, Andreea Maria Lucaci, Romeo Cristian Ciobanu, Cristina Schreiner, Bogdan George Rusu, Gabriela Elena Hitruc, Magdalena Aflori, Marius Paulet, Alina Ruxandra Caramitu, Adriana Mariana Bors, Piezoelectric thin Film Composites with BaTiO3 for Microelectronics, Revista de Materiale Plastice, 2023, vol.:60, Issue 4, pp. 10-130, DOI:10.37358/MP.23.4.5683, WOS:001143872900006. 3. Mihaela Aradoaei, Romeo C. Ciobanu, Cristina Schreiner, Marius Paulet, Alina R. Caramitu, Jana Pintea, Mihaela Baibarac, Three-Dimensional Printable Flexible Piezoelectric Composites with Energy Harvesting Features, Polymers Journal 2023, Volume 15, Issue 11, 2548, DOI: 10.3390/polym15112548, WOS:001006230400001. 4. Alina R. Caramitu, Romeo C. Ciobanu, Ioana Ion, Cristina M. Schreiner, Mihaela Aradoaei, Violeta Tsakiris, Jana Pintea, Virgil Marinescu, Flexible Electromagnetic Shielding Nano-Composites Based on Silicon and NiFe2O4 Powders, Polymers Journal 2023, Volume 15, Issue 11, 2447, DOI: 10.3390/polym15112447, WOS:001005724100001. 5. Romeo C. Ciobanu, Radu F. Damian, Cristina M. Schreiner, Mihaela Aradoaei, Alexandru Sover, Askok M. Raichur, Simulation of Dielectric Properties of Nanocomposites with Non-Uniform Filler Distribution, Polymers Journal 2023, Volume 15, Issue 7, 1636, DOI: 10.3390/polym15071636, WOS:000970081800001. 6. Romeo C. Ciobanu, Mihaela Aradoaei, Alina R. Caramitu, Ioana Ion, Cristina M. Schreiner, Violeta Tsakiris, Virgil Marinescu, Elena G. Hitruc, Magdalena Aflori, Special Packaging Materials from Recycled PET and Metallic Nano-Powders, Polymers Journal 2023, Volume 15, Issue 15, 3161, DOI: 10.3390/polym15153161, WOS:001046370500001. 7. Romeo C. Ciobanu, Cristina M. Schreiner, Mihaela Aradoaei, Gabriele E. Hitruc, Bogdan G. Rusu, Magdalena Aflori , Characteristics of Composite Materials of the Type: TPU/PP/BaTiO3 Powder for 3D Printing Applications, Polymers Journal 2023, Volume 15, Issue 1, 73, DOI: 10.3390/polym15010073, WOS: 000909131900001. 8. Alina Ruxandra Caramitu, Ioana Ion, Adriana Mariana Bors, Cristian Romeo Ciobanu, Cristina Schreiner, Mihaela Aradoaei, Ana-Maria Daniela Caramitu, Physico-chemical characterization of paint films with electromagnetic properties, Revista Materiale Platice, 2022, Volumul: 59, nr. 2, pp 9-23, DOI: 10.37358/MP.22.2.5580, WOS:000831634900002. 9. RC Ciobanu, C Schreiner, R Damian, High frequency electromagnetic energy phenomena in chiral dielectric structures with distributed and localized conductive insertions, Composites Part B: Engineering 160, 241-248 10. AD La Rosa, SA Grammatikos, RC Ciobanu, C Schreiner, Electromagnetic Shielding for Buildings Using Hybrid Polymer Composites: A Life Cycle Assessment Study, Key Engineering Materials 827, 452-457
	Lucrări publicate în volumele conferințelor (punctul I din Anexa A.3.7)
	1. Limits and Particularities of the Synthesis of Ba1-xCaxTiO3 for Piezoelectric Applications, by Topochemical Conversion from Molten Salt Solutions Vlaicu, ID; Maraloiu, AV; Ciobanu, RC, Schreiner, C; Plopa, O 10th International Conference and Expositions on Electrical and Power Engineering (EPE) 2018 2. Aided Decision Making for Hybrid Energy Systems Planning in Micro-Grids Scarlatache, F; Grigoras, G; Schreiner, C;

	Ciobanu, RC 2018 SMART CITY SYMPOSIUM PRAGUE (SCSP) 3. Patterns Discovery of Load Curves Characteristics Using Clustering Based Data Mining Neagu, B; Grigoras, G; Schreiner, C; Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017 4. Identification of pilot nodes for secondary voltage control using K-means clustering algorithm Grigoras, G; Neagu, BC; Schreiner, C; Ciobanu, RC 26th IEEE International Symposium on Industrial Electronics (ISIE) 2017 5. Influence of Hybrid Energy Systems on Micro-Grids Control Scarlatache, F; Grigoras, G; Schreiner, C; Ciobanu, R 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2017 6. LTCC-based Ceramic Microsystems with Integrated Fluidic Elements and Sensors Belavic, D; Hodnik, M; (...); Ciobanu, R, Schreiner, C 9th International Conference and Exposition on Electrical and Power Engineering (EPE) 2016 7. Sensors in LTCC-technology with embedded microfluidic features, for medical applications Ciobanu, R; Schreiner, C; (...); Antal, D 2015 IEEE International Symposium on Medical Measurements and Applications (MEMEA 2015) 2015 8. Dielectric spectroscopy of biological tissues with targeted Fe2O3drug delivery systems in support of RF/MW - hyperthermal control Ciobanu, R and Schreiner, C 9th IEEE International Symposium on Medical Measurements and Applications (IEEE MeMeA) 2014 9. Nano-structured electromagnetically-active adhesives for innovative assembling-disassembling technologies Ciobanu, R; Schreiner, C; (...); Verna, E 11th IEEE International Conference on Solid Dielectrics (ICSD) 2013 10. Comparative Analysis versus Frequency of Inception Voltage of Partial Discharges Phenomena and Breakdown Strength, in Support of Quality Assessment of Insulating Materials Ciobanu, R and Schreiner, C 9th International Symposium on Measurement Technology and Intelligent Instruments 2010 11. INVESTIGATION OF THE HEXACHIRAL HONEYCOMB EMC PROPERTIES BY FULL WAVE ELECTROMAGNETIC SIMULATION Ciobanu, RC; Schreiner, C and Damian, RF 23rd European Conference on Modelling and Simulation (ECMS) 2009 12. Evaluation via PEA measurements of paper-oil insulation submitted to gamma radiation Ciobanu, R; Schreiner, C and Olariu, M International Conference on Condition Monitoring and Diagnosis 2007 13. Broadband Partial Discharges Technique and Application in the field of cable paper insulation Ciobanu, R; Schreiner, C and Temneanu, M International Conference on Condition Monitoring and Diagnosis 2007 14. Influence of inductive effects upon space charge occurrence, with application in the field of failure diagnosis of electrical machines Ciobanu, R; Schreiner, C; (...); Mardarasievici, G 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006) 2006 5. Minimal fuzzy logic controller. Design considerations and potential applications Temneanu, C; Donciu, C; (...); Ciobanu, R Schreiner, C IEEE International Conference on Computational Intelligence for Measurement Systems and Applications 2005 15. Internal charge evolution under cyclic stress, determined for cable paper by use of PEA-method Ciobanu, R; Prisecaru, I and Schreiner, C 9th International Conference on Optimization of Electrical and Electronic Equipment 2004 16. Space charge evolution in thermally aged cellulose materials Ciobanu, R; Prisecaru, I and Schreiner, C 8th IEEE International Conference on Solid Dielectrics 2004 PROCEEDINGS OF THE 2004 IEEE INTERNATIONAL CONFERENCE ON SOLID DIELECTRICS, VOLS 1 AND 2 , pp.221-224 17. Charge packet evolution in paper-oil insulation and derived technological considerations Ciobanu, RC; Pfeiffer, W and Schreiner, C 7th International Conference on Properties and Applications of Dielectric Materials 2003 PROCEEDINGS OF THE

7TH INTERNATIONAL CONFERENCE ON PROPERTIES AND APPLICATIONS OF DIELECTRIC MATERIALS, VOLS 1-3 , pp.695-698

18. Space charge evolution in oil-paper insulation for DC cables application Ciobanu, R; Schreiner, C; (...); Baraboi, B IEEE 14th International Conference on Dielectric Liquids (ICDL 2002) 2002 PROCEEDINGS OF THE 2002 IEEE 14TH INTERNATIONAL CONFERENCE ON DIELECTRIC LIQUIDS, pp.321-324

19. Schreiner C., Ciobanu, R, Pîslaru M.,(2014) ECOSYSTEM MODEL FOR ENVIRONMENTAL APPLICATIONS, International Conference on Environment, Biological and Ecological Sciences and Engineering, International Science Index, Vol:8, No.3, pg. 175-179, eISSN 2010-3778, pISSN 2010- 376x. BDI: International Science Index

20. Ciobanu, R., Schreiner C., Pislaru M., CONCEPT OF ECOSYSTEM MODEL FOR ENVIRONMENTAL SECURITY AND APPLICATION FOR SUSTAINABLE MANAGEMENT OF TOXIC POLLUTANTS IN CENTRAL ASIA, International Workshop, 17-19 March,2014 Almaty, Kazahstan, Proceedings NATO SfP-983931 Project, pg. 23-40.

21. Ciobanu, R and C. Schreiner, Some applications of parametrical reliability in quality assessment of paper technology, Sesiunea jubiliara "30 ani de invatamint universitar la Bacau", 1991, Vol.IV, pp.410-414

22. T. Balan, C. Schreiner and Ciobanu, R, "Application of parametrical reliability in electrical measurements“, Sesiunea jubiliara "80 ani de la infiintarea la Iasi a primului Institut Electrotehnic din Romania", Oct. 1992, Vol.I-S2, pp.105-18

23. C. Schreiner and Ciobanu, R, "Special induction linear motors“, Simpozionul COMEP, Pitesti, May 1993, pp.82-85

24. C. Schreiner and Ciobanu, R, "The calculus of an anisotropical armature for special linear induction motors“, Simpozionul COMEP, Pitesti, May 1993, pp.85-88

25. Ciobanu, R, C. Schreiner, D. Socotar, G. Mardarasievici, Influence of Inductive Effects upon Space Charge Occurrence, with Application in the Field of Failure Diagnosis of Electrical Machines, 10th International Conference on Optimization of Electrical and Electronic Equipments, Brasov, 2006, vol. 1, pp. 231-238, ISBN: 973-635-702-3 / 978-973-635-702-2

26. Ciobanu, R, C. Schreiner, C. Donciu, M. Branzila, PROTOTIPE ARCHITECTURE FOR A REMOTE AND DISTRIBUTED MEASUREMENTS LABORATORY, FOR HIGHER EDUCATION PURPOSES, International Conference on Distance Education, 2006, Muscat, Oman, pp. 215-220 104.

27. Schreiner, C. and Ciobanu, R., "Expert system for quality evaluation - according to ISO 9000 requirements - dedicated to small and medium enterprises", Second International Conf. on Electromechanical Systems - SIELMEC'99, Chisinev Rep. Moldavia, Oct. 8-9, 1999, 221-225 10.Ciobanu, R., Schreiner, C. and Hutu, A.C., 2000, "Some managerial and ethical aspects of TQM- systems implementation in SMEs", Workshop "New Europe College", Iasi, Romania, Nov. 2000, 48- 55

28. Ciobanu, R, Schreiner, and Postolache, O., "Space charge phenomena interpretation towards accounting for materials structure, or quality of the applied technology", IMEKO in Lisbon, Portugal, Sept. 13-14, 2001

29. Schreiner, C., Baraboi, B. and Ciobanu, R., "Test bench for linear manipulators using virtual instrumentation", Int. Conf. ELECTROMOTION'01 in Bologna, Italy, June 19-20, 2001

30. I. Prisecaru, C. Schreiner, Ciobanu, R, ABOUT THE ESTIMATION OF CHARGE ACCUMULATION THRESHOLD VIA CHARGE CURRENT MEASUREMENTSS, AND THE CORRESPONDENCE WITH THE VALUES DERIVED FROM PEA METHOD - WITH APPLICATION AT CABLE PAPER, Int.Conf.“Materials for Electrical Engineering”- MmdE’04, mai 2004, Bucuresti, Romania

31. Ciobanu, R, C. Schreiner, I. Prisecaru, “Parameters associated with charge evolution under cyclic stress, determined for cable paper by use of PEA-Method”, 5th Int. Conf. On Electric Charges – CSC Nov-04, Sfax, Tunisia

32. Ciobanu, R, C. Schreiner, C. Donciu, M.C. Brînzilă, “Prototype architecture for a remote and distributed measurements

	laboratory, for higher education purposes", Proceedings of International Conference on Distance Education ICODE 2006, Mar-06, Muscat, Sultanate of Oman, pag. 173-185 16.Ciobanu, R, C. Schreiner, M. Temneanu, "Upon the Difference Between the Evolution Versus Frequency of PD and Breakdown Processes, Related to Paper for DC Cables Insulation", XVIII IMEKO World Congress, 2006 , Rio de Janeiro, Brazilia, CD Proceedings 33. Ciobanu, R, M. C. Brînzilă, C.Schreiner, "A prototype of web-e-nose device to be used in medicine fields", Proceedings of First International Conference on E-Medicine EICEM 1, Mar-07, Cairo,Egipt, pag.135-140 34. C. Schreiner, M. C. Brînzilă, Ciobanu, R, "Prototype architecture for a remote and distributed laboratory, for higher education purpose in medicine fields", Proceedings of First International Conference on E-Medicine EICEM 1, Mar-07, Ciro, Egipt, pag. 225-228 35. Ciobanu, R; Schreiner, C; Temneanu, M., Broadband Partial Discharges Technique and Application in the field of cable paper insulation PROCEEDINGS OF 2008 INTERNATIONAL CONFERENCE ON CONDITION MONITORING AND DIAGNOSIS1191-1194 2007, Beijing, PEOPLES R CHINA, APR 21-24, 2008 36. Ciobanu, R, C. Schreiner, W. Pfeiffer, Partial discharge tests with pattern recognition, in support of electrical insulation quality, Advances in electrical and computer engineering, 2001, 1 (8), No.2, Ed. Univ. Suceava, România ISSN 1582-7445, 19-25 37. Ciobanu, R, C. Schreiner, Fibrous electro-insulating materials reliability, Eur.Conf on Materials - Junior Euromat, august 1998, Lausanne, Elvetia, pg 52-54 38. C. Schreiner, Ciobanu, R, Acţionarea speciala a motoarelor liniare de putere, Simpozionul COMEP, mai 1993, Pitesti, Romania, pg 82-85 39. C. Schreiner, Ciobanu, R, Calculul indusului anizotrop pentru oscilatoare cu motor liniar, Simpozionul COMEP, mai 1993, Pitesti, Romania, pg 86-89 40. T.Balan, C.Schreiner, Ciobanu, R, Aplicarea fiabilităţii parametrice în măsurările electrice, Simpozionul jubiliar al Fac.Electrotehnica, octombrie 1992, Iasi, Romania, pg 105-108 41. Ciobanu, R; Schreiner, C, Estimarea neparametrică a fiabilităţii electroizolanţilor, Simpozionul jubiliar al Fac. Electrotehnica, oct.92, Iasi, Romania, pg 411-416 42. Ciobanu, R; Schreiner, C, Thermal acumulated dose and reliability estimation of fibrous and composite materials, Simpozionul jubiliar al Fac. Electrotehnica, oct. 92, Iasi, Romania, pg 405-410
	Invenţii şi brevete (punctul J din Anexa A.3.7)
	Contracte de cercetare / granturi (punctul K din Anexa A.3.7)
	1. Director al proiectului CAPACITATI, Modul III, Proiect Bilateral Ro – Austria, nr. 553/2012: Dezvoltarea de senzori integrați folosind tehnologia LTCC pentru aplicații în domenii ca: medicină, securitate și mediu 2. Director al proiectului CAPACITATI, Modul III, Proiect Bilateral Ro – Cipru, nr. 436CB/2011: Compozite polimerice nano-active avansate cu metale rare şi oxizi metalici, pentru aplicaţii în microelectronică în domeniul GHz 3. Director al proiectului Low-cost and energy-efficient LTCC sensor/IR-UWB transceiver solutions for sustainable healthy environment (SENSEIVER) FP7-PEOPLE-2011-ITN GA-289481 4. Director al proiectului Era Net, MANUNET, nr. 7-038/2011: Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri active CARBIOSENSE

	5. Director al proiectului M-Era Net INTCERSEN nr. 1132/2015, Integrated sensors with microfluidic features using LTCC technology 6. Director al proiectului GRANT DE TIP A CU CNCSIS: PLATFORME VIRTUALE SI DISTRIBUITE PENTRU DESIGN-UL, MONITORIZAREA PERFORMANTELOR SI DIAGNOZA SISTEMELOR ELECTROMECANICE 7. Director al proiectului DEZVOLTAREA CAPACITĂŢII DE INTEGRARE A ROMANIEI ÎN CADRUL PROGRAMELOR, PLATFORMELOR ŞI REŢELELOR EUROPENE IN DOMENIUL SISTEMELOR VIRTUALE SI DISTRIBUITE DE DESIGN SI MANAGEMENT AL CERCETARII, CEEX M3 / CNMP, 188/2006 8. Director al proiectului PNIII - ERANET, COFUND-MANUNET, nr. 17/2018, Îmbunătățirea tehnologiilor de printare pentru fabricarea economica a sistemelor de analiză tip Point of Care 9. Director al proiectului PNIII - ERANET, MANUNET-III nr. 149/2020, Biosenzori bazati pe arhitecturi nanofluidice pentru detectia proteinelor umane 10. Membru în echipa de implementare a proiectului 'Transfer de cunoștințe privind realizarea de noi metode de diagnosticare a panourilor din parcuri fotovoltaice', Programul Operaţional Competitivitate, Contract subsidiar nr. 126/D10/2022, My SMIS 105567, durată 8 luni, buget 580.000 lei 11. Membru în echipa de implementare a proiectului proiect 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 62/13.04.2022, My SMIS 105725, durată 11 luni, buget 448.605 lei 12. Membru în echipa de implementare a proiectului 'Sisteme software cu arhitecturi versatile de management al energiei și de optimizare a indicatorilor de performanță energetică a clădirilor inteligente, dezvoltate în cadrul clusterului euronest IT&C HUB', Programul Operaţional Competitivitate, Contract nr. 70/221_ap2/14.08.2020, My SMIS 130052, durată 27 luni, buget 4.474.125 lei, 13. Membru în echipa de implementare a proiectului 'Mitigarea riscului pentru sănătatea publică privind contaminanții biochimici ai ambalajelor farmaceutice și alimentare reciclate printr-o nouă metodologie bazată pe analiza spectrală în domeniul THz (THzPET)', PN-III-P2-2.1-657PED/2020, durată 18 luni, buget 250.000 lei 14. Membru în echipa de implementare a proiectului 'Analize Fizico-Chimice, Materiale Nanostructurate Si Dispozitive Pentru Aplicatii In Domeniul Farmaceutic Si Medical Din Romania' – AMD-FARMA-MED-RO, Programul Operaţional Competitivitate, Contract subsidiar nr. 636/16.03.2020, My SMIS 105725, durată 15 luni, buget 630.199 lei 15. Membru în echipa de implementare a proiectului 'Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală', Programul Operaţional Competitivitate, Contract subsidiar nr. 8733/05.12.2019 - 659/06.12.2019, My SMIS 105689, durată 32 luni, buget 900.000 lei, 16. Membru în echipa de implementare a proiectului 'Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili', 4DPrintEN, Proiect cod COFUND - ERANET MANUNET III, Contract de finantare nr. 96/01.06.2019, durată 24 luni, buget 468.100 lei, 17. Membru în echipa de implementare a proiectului Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie, Programul Operaţional Competitivitate, Contract subsidiar nr. 370/20.02.2019, My SMIS 105726, durată 24 luni, buget 880.000 lei 18. Membru în echipa de implementare a proiectului Reciclarea avansata integrata a deseurilor combinate inseparabile de mase plastice si hartie, nereciclabile prin tehnologiile actuale, Programul Operaţional Competitivitate, Contract subsidiar nr. 366/11.09.2017 - 15351/13.09.2017, My SMIS 105581, durată 24 luni, buget 900.000 lei

	19. Membru în echipa de implementare a proiectului 'Cercetare-dezvoltare de materiale compozite inovative nanostructurate, activabile in camp de radiofrecventa si de microunde, pentru tehnologii reversibile de asamblare cu aplicatii intersectoriale', Programul Operaţional Competitivitate, Contract nr. 119/16.09.2016, ID P_37_757, My SMIS 104089, durată 48 luni, buget 11.140.371 lei, 20. Membru în echipa de implementare a proiectului Realizarea inovativă de produse compozite termoplastice cu proprietăţi superioare de ecranare electromagnetică prin reciclarea integrată a deşeurilor electronice, (RECEMAT), Programul Operaţional Sectorial Creşterea Competitivităţii Economice, Axa Prioritară 2 – Competitivitate prin CDI, Contract nr. 460/03.04.2013, ID 1372/SMIS 41074, durată 26 luni, buget 3.498.500 lei, 21. Membru în echipa de implementare proiect 'Dezvoltarea de materiale compozite ceramice geopolimerice, din deseuri industriale, cu proprietati superioare de ecranare electromagnetica si termica, pentru constructii speciale', Programul EUREKA-EUROSTARS- NEWCOMAT, Contract 316E/15.05.2012, durată 19 luni, buget 367.710 lei, **22.** Membru în echipa de implementare a proiectului FEVAL, 308E/19-08.2011– "Dezvoltarea de panouri compozite izolatoare pe bază de deşeuri de fulgi/pene, pulbere de lemn şi plastic reciclat pentru clădiri ecologice tip „green building concept”- finanţat prin Programul EUREKA (Buget total - 390.074 lei)